ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

Decommissioning Closeout Report

371/374 Closure Project

Revision 1

October 2005

1/23

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1.0 Introduction

In accordance with the 371 Closure Project Decommissioning Operations Plan (DOP), this closeout report was prepared to summarize the decommissioning and demolition of Type 2 and Type 3 buildings[1] in the Building 371 Closure Project. All of the information and attachments contained in this report were prepared to document the major D&D activities performed, as well as to identify the remaining materials and the final condition of the area. Building 371 was one of six Type 3 buildings at the Rocky Flats Environmental Technology Site (RFETS).

Not addressed in this report are deactivation activities, which included draining and treating thousands of liters of contaminated process solutions that remained in process piping and tanks. Deactivation activities were not in the scope of the DOP.

Section 11.4 of the DOP included a tentative closure report outline, which was subject to change upon project completion. The outline was modified slightly to better address decommissioning activities performed. The content of this report will include:

- Introduction including building history and description
- Verification that DOP requirements were met
- Summary of decommissioning activities including key milestone dates
- Summary of demolition activities
- Waste disposition summary
- Demolition summary
- Site restoration including a description of Under-building Characterization (UBC)
- Resource Conservation and Recovery Act (RCRA) closure summary
- Attachments, including the Administrative Record (AR) index

Building 371/374 documentation that was submitted for inclusion in the AR will not be included in this report. AR documents will instead be referred to by number in this report and a copy of the AR index included in Attachment A. This closeout report will be submitted to the Department of Energy (DOE) and the Lead Regulatory Agency (LRA). It will also be included in the Building 371 closure project administrative record post-decisional file.

RCRA closures were accomplished in accordance with the Part B permit, Section X, which refers to the DOP for closure descriptions and requires the certification of a Professional Engineer, which is provided in Attachment B.

In accordance with the Decommissioning Program Plan, each facility within the 371 Cluster was "typed." Type 1 facilities are considered "free of contamination," Type 2 facilities contain no significant contamination and/or hazards, while Type 3 facilities contain significant contamination and/or hazards.

[1] During scoping characterization, facilities were "typed" according to levels of contamination. Type 3 facilities were expected to contain significant contamination, Type 2 facilities were expected to contain some contamination, and Type 1 facilities were not contaminated.

1.1 Building Description and History

1.1.1 Building 371 (Type 3)

The Building 371/374 Closure Project is comprised of Building 371/374 and associated support structures located within the Site's IA (see Table 1-1). Figure 1 shows the relative location of these facilities. Facility-specific details are contained in the RLCR. A brief overview of the Type 3 and Type 2 facilities is provided below.

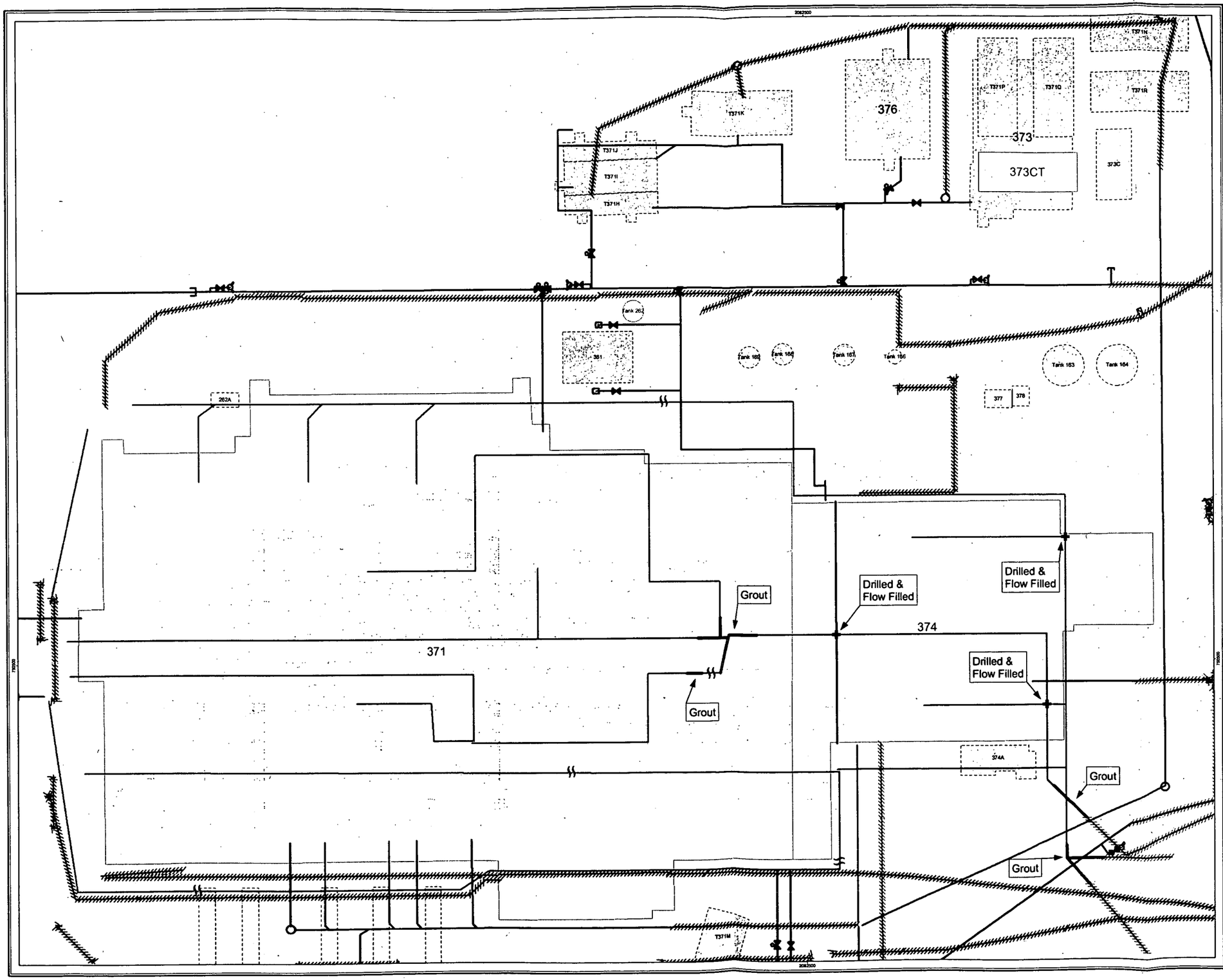
Building 371/374 was constructed in the 1970s to replace the plutonium pit assembly and pyrochemical operations in Building 776/777, and residue and waste operations in Building 771/774. The design was more sophisticated and complex than any other buildings at the Site, emphasizing automatically controlled, remotely operated processes and the ability to withstand design-basis accidents such as earthquakes, tornadoes, winds, and fires. Construction was completed in 1980, at which time process units were available for "cold" system operation testing. DOE authorized "hot" testing in 1981. Due to deficiencies in the design and construction of the process equipment and safety-related incidents, as well as the presence of excessive SNM holdup in equipment and piping, DOE directed the Site contractor to curtail plutonium recovery operations in Building 371/374 in 1981. Modifications to Building 371/374 were in process when weapons production operations were terminated at the Site in 1989.

Operations in Building 371/374 focused on the recovery of plutonium from RFETS mission activities (i.e., nuclear weapons parts fabrication, component assembly, and research and development activities) and the treatment of aqueous wastes. Other operations included material storage and transfer, waste incineration, and laboratory support. Building 371 (Type 3) was the plutonium recovery facility. It was a four-level structure of reinforced concrete containing approximately 315,022 ft^2 of floor space. The sub-basement (Level 1) consisted primarily of the lower part of the Central Storage Vault (CSV) and stacker retriever (S/R) maintenance bay. The main basement (Level 2) housed heating, ventilation, and air conditioning (HVAC) equipment and mechanical utilities, as well as the upper part of the CSV and maintenance bay, and small plutonium processing areas. The ground floor (Level 3) contained the majority of the plutonium recovery processing equipment, including tanks and gloveboxes. The attic (Level 4) provided protected space for air distribution systems, chemical piping, electrical conduit, and motor generators. Stairways and an elevator provided access to the various levels and airlock double doors facilitate movement of personnel and material within the building.

1.1.2 Building 374 (Type 3)

Building 374 consisted of a main floor, a basement, and a mezzanine, and contained the waste treatment processing area; tanks for receiving and storing liquid process wastes; a drum handling and storage area; and support, mechanical equipment, and utility areas. The building was a free-standing structure approximately 140 feet wide by 145 feet long. It was contiguous to the north-south leg of the L-shaped Support Facility. An enclosed shipping and receiving dock was located on the east side of the building. Building 374 was constructed of reinforced concrete in the same manner as Building 371. It was designed to withstand winds up to 150 miles per hour.

Figure 1
Remaining UG Utilities/Structures for Building 371 Cluster



EXPLANATION

- Foundation Drain
- Sewer
- DCWF
- Culverts & Storm Drains
- OPWL
- NPWL

NOTE: Hatched symbols represent removed features.* Color indicates utility type.

Standard Map Features

- Remaining Structure
- Removed Structure

- The sanitary sewer system piping was removed as shown. All sewer manholes have been removed to at least 4 feet below grade and the remaining lower portions filled with concrete.
- All piping lines, manholes,and other miscellaneous equipment associated with the NPWL have been removed.
- All piping lines, manholes,and other miscellaneous equipment associated with the OPWL have been removed except s shown. Abandoned OPWL lines were grouted.
- All piping lines, manholes,and other miscellaneous equipment associated with the Domestic Water System were removed to 3 feet below grade. Piping lines and equipment greater than 3 feet below grade were abandoned in place.
- All sanitary floor drains were disrupted and filled with grout.

N

20 0 20 40 60 80 Feet

State Plane Coordinate Projection
Colorado Central Zone (3476)
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

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PATH: \\gissrv\GIS\Projects\fy2005\05-0275\B371Cluster.mxd

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The above-grade frame was structural steel. The building was a reinforced concrete structure located adjacent to the east side of Building 371.

The below-grade walls were reinforced concrete. The exterior walls above grade were vertical, twin tee, pre-cast concrete siding, or cast-in-place reinforced concrete. The dock walls were concrete block. Most floors were pour-in-place reinforced concrete, but some mezzanine floors were steel decking supported by structural steel members. Ceilings in the process areas were generally the underside of the roof or poured reinforced concrete floor above. The roof system consisted of metal decking with lightweight concrete topping followed by a built-up tar and gravel roofing applied over the concrete topping.

The Building 374 Waste Recovery Processes provided liquid waste treatment of low-level radioactively contaminated wastes. Treatment consisted of acid neutralization, sludge solidification, radioactive decontamination, evaporation, and the saltcrete process. The equipment for liquid waste treatment was located throughout Building 374. The following discussion provides a brief overview of different liquid waste treatment processes.

Wastes were piped into Building 374 from Buildings 122, 371, 428, 443, 444, 566, 559, 707, 774, 776, 778, 865, 881 and 883. Effluents from the steam plant, Building 443, and the laundries, Buildings 566 and 778, are not RCRA permitted and are currently diverted to the site sewage treatment plant even though the capability remains to pump these effluents to Building 374. Effluents from Building 122 went to Building 428 before being pumped to Building 374.

1.1.3 Exterior Storage Tanks (Type 2)

Five above ground storage tanks in Building 374 were identified as Type 2 facilities:

- Tanks T-802, T-803, T-804, and T-805 were the 1st through 4th effect vapor body tanks associated with the Building 374 evaporation process. The four tanks were located north of the Building 374 side of Building 371/374 and had a concrete berm, which is constructed of portable concrete road barriers.
- Tank W-803 was the spray dryer tank, located north of the Building 374 side of Building 371/374. The upper part of the tank extended into the mezzanine level of Building 371/374. The tank had a concrete berm and was surrounded by a plywood weather wall.

Table 1-1 lists all facilities associated with the Building 371/374 Cluster.

Table 1-1. Facilities Comprising the Building 371/374 Closure Project

Facility	Type	Description
Building 371	3	Plutonium recover facility
Building 374	3	Process waste treatment facility
Building 373	1	Pump House
Building 376	1	Administrative & Supply Storage Area
Building 374A	1	Carpentry shops
Building 377	1	Air compressor building
Building 378	1	Waste collection pump house
Building 381	1	Fluorine storage building
Tank T-262 (all other tanks per § 1.1.9 are removed Type 1s)	1	Petroleum underground storage tank (UST) tank was foamed and left in place
Tanks 167, 168, 169	2	Nitric Acid, and two Potassium Hydroxide storage tanks, respectively
Tanks 224, 225, 226, 227, 228	2	First thru fourth, and Spray Dryer Tank
Tanks T-802 to T-805	2	Evaporation process vapor body tanks
Tank W-803	2	Spray dryer tank
CT911	1	Cooling Tower
Trailer T371G, H, J, K, S, T376A	1	Offices

1.1.4 Building 373 (Type 1)

Building 373 was the Cooling Tower/Pump-House. The cooling tower was constructed from wood and Transite™ materials. Building 373 was a small reinforced concrete structure 18' - 6" X 16.0' X 12.0' high constructed of reinforced concrete. B373 had a larger basement (also a reinforced concrete structure), or pump vault, which was approximately 18' wide X 40' long X 20' high and contained three large pumps that operated the three tower system.

1.1.5 Building 374A (Type 1)

The Carpenter Shop, Building 374A, was located at the east end of Dock 5. The building was constructed of wood in two attached sections. The east section was approximately 12' X 20' X 8' high, and the west section was approximately 27' X 20' X 8' high, for a combined square footage of approximately 800 square feet. The Building 374 Carpenter Shop served the carpenter support needs of the Building 371/374 Complex for approximately 20 years. This

structure was made from wooden frame structure and uses Transite siding (asbestos containing material).

1.1.6 Building 377 (Type 1)

B377 was the Air Compressor Building that supported the cement pneumatic transfer system for the Building 374 Waste Cementation Process. It was located directly north of Building 374. This support building had 120 square feet of floor space and was approximately 15'- 4" X 10.0' X 12.0' tall at the roof eve. The walls and roof were corrugated sheet metal. The floor was reinforced concrete. Building 377 operated when the waste cementation processes were operating in Building 374.

1.1.7 Building 378 (Type 1)

The Building 378 Waste Collection Pump House was also known as the Building 374 Product Water Pump House. This support building had 130 square feet of floor space and was approximately 14.0' X 10.0' X 8.0' tall at the roof eve. The floor was reinforced concrete. The walls and roof were corrugated sheet metal.

1.1.8 Building 381 (Type 1)

Building 381 was the fluorine storage building for the Building 371 Direct Fluorination Process. Building 381 was a concrete block construction with poured reinforced concrete floors and roof. The fluorine supply building was decommissioned around 1993. This support building had 1320 square feet of floor space and was approximately 30' X 42' X 12' tall at the roof eve. Building 381 is divided into 5 rooms or compartments. Four of the rooms were designed for storage of fluorine gas cylinders hooked to fluorine gas manifolds to supply the B371 Direct Fluorination Process. B381 operated as designed for approximately three years when the "hot startup" of Building 371 began in the 1980 through 1983 time frame. The fluorine gas cylinders were removed and the building was decommissioned in 1988.

1.1.9 B371 Cluster Exterior Tanks (Type 1)

There were a number of exterior tanks included in the Building 371/374 Cluster. Most of these tanks supplied the Cluster with various liquefied gases, cement, acids, liquid potassium hydroxide, and other chemical products.

These tanks were exterior to the buildings and located north of the cluster as follows:

- Tank 163, the west Product Water Tank, north of Building 374
- Tank 164, the east Product Water Tank, north of Building 374 -Tanks 163 and 164 had an in-ground concrete berm approximately 40' X 140' X 8' deep. This concrete in-ground berm had a large gate valve in the northeast corner for draining the berm. The in-ground berm also had two 24" storm drain pipes leading into it one on the west berm wall at the bottom another storm drain pipe in the west wall near the top south corner.
- Tank 165, the Cement Silo; west of Building 371

- Tank 167, Nitric Acid Storage Tank (aka D-222), north of Building 374 – Tank 167 has an asphalt lined earth berm approximately 4 feet deep all around the tank.
- Tank 168, Potassium Hydroxide Storage Tank (AKA D-225), north of Building 374
- Tank 169, Potassium Hydroxide Storage Tank (aka D-842), north of B374 – The two Potassium Hydroxide Storage Tanks, Tanks 168 and 169 shared an asphalt lined earth berm all around the two tanks approximately 4 feet deep.
- Tank 170, Liquid Nitrogen Storage Tank, north of Building 374 & Door 17D
- Tank 224, 1ST Effect Vapor Body Tank (water with sodium hydroxide), N of B374
- Tank 225, 2ND Effect Vapor Body Tank (water with sodium hydroxide), N of B374
- Tank 226, 3RD Effect Vapor Body Tank (water with sodium hydroxide, N of B374 – Tanks 224, 225, and Tank 226 had an L-shaped plywood weather walls at approximately the Mezzanine level of Building 374; the plywood wall was approximately 36' X 8' X 1" thick.
- Tank 227, 4TH Effect Vapor Body Tank (water with sodium hydroxide), N of B374 – All of the 4 Tanks 224, 225, 226, & 227 had a concrete berm constructed from concrete portable road barriers 8" X 24" around and under the tanks approximately 20' X 50' X 3' high; the constructed berm was lined with a neoprene-type material to make it sodium hydroxide and/or weak acid resistant.
- Tank 228, Spray Dryer Tank, north of Building 374 – Around Tank 228, Spray Dryer Tank, was a 15' X 15' X 8' X1" thick plywood weather wall with a hasp locking 3' wide plywood access door. Underneath Tank 228 was a 8' X 8' X 1' X 6" thick concrete berm. The upper part of Tank 228 was housed inside the Mezzanine Level Building 374 Room 4812. Room 4812 had a concrete floor supported on 8" I-beams from the ground level. The exterior of Room 4812 was covered with corrugated metal siding.
- Tank 262 (aka Tank 171), underground storage tank for No. 2 diesel fuel – Tank 262 has been drained, taken out of service, and filled with foam. It was left in place.
- Tank 262A (aka TK-4), aboveground storage tank for No.2 diesel fuel
- Tank 163, This tank was never put into service.
- Tank 164, This tank was never put into service.
- Tank 165, the Cement Silo
- Tank 170, Liquid Nitrogen Storage.

1.1.10 Trailers (Type 1)

The following trailers were included in the Building 371 cluster: T371G, H, J, K, S, T376A. These trailers were all former offices.

1.1.11 Building 376 (Type 1)

Building 376 was a butler style steel building build in 1983 that was used as an engineering and administrative support facility for personnel supporting the Building 371 mission. It was later converted to a storage area for general supplies and equipment used during D&D of Building 371. The building contained approximately 3000 square feet of floor space.

1.2 Verification That DOP Requirements Were Met

From three alternatives for the long-term disposition of facilities presented in the *RSOP for Facility Disposition*, decommissioning and demolition was selected for all RFETS facilities including Buildings 371 and 374. Decommissioning activities for the Building 371/374 Closure Project were planned and executed within the scope of the *RSOP for Facility Component Removal, Size Reduction, and Decontamination Activities* and the *RSOP for Facility Disposition*, which discuss the applicable removal, size reduction, decontamination, and demolition techniques and associated hazards, and outlines the measures employed to protect worker health and safety and the environment. The purpose of this DOP is to describe the specific decommissioning activities that were performed in the Type 3 and Type 2 facilities within Building 371/374 Closure Project (e.g., decontamination and demolition of the central storage vault [CSV]). As determined by the RLC and reported in the *RLCR for the Building 371/374 Cluster*, Buildings 371 and 374 had been identified as Type 3 facilities, and the ASTs that are used to support the aqueous waste treatment system (i.e., Tanks T-167, T-168, T-169, and T-224 through T-228) are Type 2 facilities. The remaining facilities are Type 1 facilities and therefore not included within the scope of the DOP.

The following summarizes the major requirements of the decommissioning and demolition alternative and specific verification that they were achieved:

1. Characterization - the project thoroughly characterized the facilities and process systems to identify the location and extent of radiological, chemical, industrial, and other hazards. The results of these efforts are documented in the Reconnaissance Level Characterization Reports, Pre-demolition Survey Reports (PDSRs) and the Final Status Survey Report (FSSR).

2. Component removal and size-reduction - this included strip-out, decontamination, size-reduction (if necessary), and packaging of all equipment in the facilities. Included were gloveboxes and glovebox internal equipment, tanks, ventilation systems, and process and utilities piping. All equipment was removed and packaged, per the individual dismantlement set closeout reports. Following dismantlement set completion, the DOE and LRA performed a field walk-down to verify component removal and approved each set closeout report.

3. RCRA regulated unit closure – the DOP Appendix A lists the Building 371/374 RCRA-Regulated Units and includes 33 container storage units, five gloveboxes, seven vaults, nine treatment units and 101 hazardous waste tanks. The units were decontaminated and/or dispositioned in accordance with the requirements of Section 6 of the DOP, as summarized in Section 10 of this report.

4. Under-building characterization – this step was undertaken to determine the extent of under-building remediation, if any, that would be required. 188 surface and subsurface soil samples from beneath and around Buildings 371 and 374 were collected and analyzed. The data summary and associated data analysis, which determined that the No Further Action Alternative (NFAA) was applicable, are contained in the *Data Summary Report, IHSS Groups 330-3 and 300-4*, dated August 2003.

5. Decontamination – this step involved removing contamination from floors, walls, and ceilings. All structural surfaces were decontaminated to the applicable release criteria, surveyed,

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and released for disposition. Survey results were documented in each decommissioning area's PDSR or FSSR. The DOE and LRA approved each PDSR and FSSR prior to demolition.

6. Demolition - all structures in the Building 371/374 project were removed to a depth of at least minus three feet of final proposed grade.

7. Site Restoration - the Building 371 and 374 sites were backfilled following demolition. Topsoil, seeding, and erosion controls were also placed and installed.

2.0 Project Description

Building 371/374 decommissioning scope was subdivided into dismantlement sets and decommissioning areas. This distinction was made to plan work in logical sequence and comply with terms of the two collective bargaining agreements. In general, Steelworkers completed work on dismantlement sets, and Building Trades completed work on decommissioning areas. Per collective bargaining agreements, Steelworkers completed work on systems with removable contamination greater than 2,000 disintegrations per minute (dpm). Building trades generally worked in areas removing systems and equipment with removable contamination less than 2,000 dpm.

2.1 Dismantlement Sets

Dismantlement sets included scope to remove contaminated gloveboxes, tanks, process piping, ducts, filter plenums, and other related equipment. In many sets, fire suppression and alarm systems, ambient lighting, domestic water, sanitary drains, and various tools were left in place for later removal. Dismantlement consisted of planning, disassembly and removal of equipment components and satisfactory waste packaging for disposal.

Table 2-1 contains the dismantlement sets descriptions from the original DOP, which contained some gaps in the numerical sequence. There were 5 modifications to the DOP in which changes were made to the sets, further changing the numerical sequence. Attachment C shows the locations of all of the sets originally proposed in the DOP and surveyed for the PDSR.

Table 2-1. Building 371/374 Dismantlement Sets

Set	Description
1	This Set includes Room 4301 and involves the removal and packaging of piping, conduit, and ventilation, as necessary.
2	This Set includes Rooms 4202 and 4303 and involves the removal and packaging of piping, conduit, and ventilation, as necessary.
3	This Set includes Room 3517 and involves the removal and packaging of Gloveboxes 61, 63, and 65; Tanks D-64, D-65, D-132A, D-132B, and D-132C; and Trolley Hoist CV-26. Items internal to these gloveboxes and tanks, and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
4	This Set includes Room 3571 and involves the removal and packaging of Glovebox 66; Tanks D-133, D-150, D-151, D-152A, D-152B; Evaporator-Reboiler E-55; Evaporator Bottoms Cooler E-56; Condenser E-57; and Nitric Acid Feed Heat Exchanger E-62. Items internal to these gloveboxes and tanks, and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
5	This Set includes Room 3573 and involves the removal and packaging of Gloveboxes 64 and 67, and Tanks D-134A, D-134B, D-134C, D-135A, D-135B, D-289A, D-289B, and D-289C. Items internal to the contaminated gloveboxes and tanks, and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
6	This Set includes the Oxide and Residue Tank Vaults (Rooms 3563 and 3559), the Ion Exchange Canyons (Rooms 3553, 3549 and Airlock 3551), the Ion Exchange Valve Maintenance Corridor (Rooms 3543, 3545, 3547, 3555, and 3557), and the Access Corridor (Room 3567). This Set involves the removal and packaging of Gloveboxes 58 and 59; Tanks D-49 A/B/C/D, D-50 A/B, D-51 A/B, D-52 A/B, D-55 A/B, D-56, D-57 A/B/C/D, D-59, D-61, D-63 A/B, D-66 A/B, D-68 A/B, D-69 A/B/C, D-72A/B, D-173 A/B, D-191, D-192, and D-305E; Oxide and Residue Ion Exchange Columns T-4 A/B/C, T-5 A/B/C, T-6 A/B/C/D, T-7 A/B/C/D, T-9 A/B, and T-28 A/B/C; and Downdraft Tables DDT-6 and DDT-9. Items internal to the contaminated downdraft tables, gloveboxes, and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
7	This Set includes Rooms 3301, 3303, 3305, and 3315 and involves the removal and packaging of Gloveboxes 36, 37, 38 and 75; Pumps P-22, P-35, and P-99; 34 pencil tanks; and 4 raschig ring tanks. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and tanks.

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Set	Description
8	This Set includes Rooms 3202, 3204, 3206, and 3208 and involves the removal and packaging of Gloveboxes 39, 40, 41, 42, 43, 44, and 45; 31 pencil tanks; 5 raschig ring tanks; and 1 annular tank. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and tanks.
9	This Set consists of the CSV and associated rooms, including Rooms 1204, 1206, 1218, 1216, 1220, 1224, and I/O Stations 1, 2, 3, 4, 5, 6, and 7. This Set involves removal and packaging of the plutonium storage racks, the primary and spare S/Rs, the stacker transfer vehicle, and the repair lift. Items internal to the contaminated I/O stations will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the I/O stations.
10	This Set includes Rooms 1208, 1210, and 2217 and involves the removal and packaging of the storage vault racks (Room 1208), Scrubbers D-230 A/B, and Tank D-715.
11	This Set includes Room 1101 and involves the removal and packaging of the storage vault racks.
12	This Set includes Rooms 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1125, 1127, 2319, and 2327, and involves the removal and packaging of Gloveboxes 17, 18, 19, 20, 21, 22, 26, 27, 62, 68, 69, 70, 74, 2401, 2402, 2403, 2404; I/O Station 8; Tanks D-2A/B, D-157A/B, D-160 A/B/C, D-166, D-179, D-189, D-229 A/B, D-233 A/B, D-238A/B, D-40A/B, D-170, D-171, D-293 A/B, D-312, D-400 A/B/C, D-713, D-2401 A/B/C/D, D-2402 A/B, D-2403; Pencil Tanks D-43 A/B, and D-44 A/B; Pumps P-1 A/B, P-2 A/B, P-3 A/B, P-4 A/B, P-7 A/B, P-15A/B, P-27 A/B, P-70 A/B, P-76 A/B, P-82 A/B, P-83 A/B, P-108 A/B, and P-928 A/B; Scrubbers D-131 A/B, T-1, T-10, T-30, and T-31; and Evaporators E-63 A/B, A1 to A-5 and E-70. Control room equipment, conduit, and instrument systems will be removed as part of this Set. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
13	This Set includes Rooms 2307 and 2317 and involves the removal and packaging of Gloveboxes 76 and 77; Tanks D-67, D-277 A/B, D-292A/B, D-912, D-914, D-916, D-922 A/B, D-933; and Pump P-85A. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and tanks.
14	This Set includes Rooms 2323, 2325, and 2341 and involves the removal and packaging of Gloveboxes 8, 9, 10, 12, 13, 1526, and Tank D-1575. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and tanks.
15	This Set includes Room 2223 and involves the removal and packaging of Tanks D-934 A/B. Items internal to the contaminated tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the tanks.

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Set	Description
16	This Set includes Rooms 3511, 3521, 3523, and 3525 and involves the removal and packaging of Glovebox 33; Precipitation Tanks T-11 A/B/C/D, T-12 A/B/C/D, T-13 A/B/C/D; Furnaces F-4 A/B/C/D, F-5 A/B/C/D, F-6 A/B/C/D; Pneumatic Lifts, ME-94 A/B/C/D, ME-95 A/B/C/D, ME-96 A/B/C/D, ME-97 A/B/C/D, ME-98 A/B/C/D, and ME-99 A/B/C/D; Fluorination Tanks T-23 A/B/C/D; Fluorination Pumps C-1A/B; and associated equipment. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
17	This Set includes Rooms 3515 and 3531 and involves the removal and packaging of Glovebox 32; Furnaces F-10 A/B/C, F-16 A/B/C; Pneumatic Lifts ME-23 A/B, and ME-39 A/B/C; Master/Slave Manipulators ME-100 A/B, and ME-169 A/B; Fluorination Pumps C-1A/B; and associated equipment. Items internal to the contaminated gloveboxes and equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
18	This Set includes Room 3801 and involves the removal and packaging of Gloveboxes 111, 112, 106, 108; Tanks D-808, D-812, D-813, D-814, D-815, D-816, D-817, D-818, D-819, D-820, D-821, D-822, D-823, D-826 A/B, D-827, D-845, D-878, D-883 A/B, D-884, and D-942; Polishing Filter FL-831; and Pumps P-810, P-811, P-812, P-817 A/B/C, P-828, P-837, P-838, P-843, P-845, P-846, P-852, P-857, and P-861. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
19	This Set includes Room 2804 and involves the removal and packaging of Gloveboxes 101 A/B, 102 A/B, 105 A/B, 155 A/B, 119; Tanks D-155A/B, D-801 A/B/C, D-802 A/B/C, D-804 A/B/C/D, D-811 A/B, D-824 A/B, D-843, D-847, D-851, D-852, and D-875; and Pumps 855 A/B/C. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment.
21	This Set includes Rooms 4802, 4812, the north portion of Room 3809, and one tank in Room 3801, and involves the removal and packaging of Tanks D-826 C, D-883 A/B, D-884, and D-885; Spray Dryer W-803; Spray Dryer Blowers B-805 A/B; Storage Hoppers H-804 and 805; and the Spray Dryer Bag Filter FL-803. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the tanks and equipment.
22	This Set includes Room 2801, 2802, 2805, and 2808 and involves the removal and packaging of Filter Plenums FP-321 and FP-322; Supply Air Units SAU-301, SAU-302, and SAU-303; Chiller Units 701 A/B; and Pumps 703 A/B/C. Items internal to the filter plenums and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenums and equipment will be removed, as necessary, to facilitate access to the filter plenums and equipment.

Set	Description
23	This Set includes the Americium Processing Tank Vault (Room 3337), Americium Processing Ion Exchange Canyons (Rooms 3327, 3331 and Airlock 3329), the Americium Processing Valve Maintenance Corridor (Rooms 3323, 3325, 3331, 3333, and 3335), and Access Corridor 3341. This Set involves the removal and packaging of Gloveboxes 52 and 54; Tanks D-82 A/B, D-84 A/B, D-86 A/B, D-87, D-88, D-89 A/B, D-90, D-95; Evaporators E-39 A/B, E-40 A/B, E-41 A/B, and E-45 A/B; and Downdraft Tables DDT-11 and DDT-12. Items internal to the gloveboxes, tanks, and equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes, tanks, and equipment
24	This Set includes Room 3408 and involves the removal and packaging of Gloveboxes, 71, 72, and 73. Items internal to these gloveboxes and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
25	This Set includes Room 3412 and involves the removal and packaging of Gloveboxes 48 A/B/C/D/E/F, 49 A/B/C/D/E/F/G/H, 50 A/B/C/D/E/F/G/H, 51 A/B/C/D/E, and Trolley Hoist CV-9. Items internal to these gloveboxes and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
26	This Set includes Room 3602 and involves the removal and packaging of Gloveboxes 1, 2, 3 and Chainveyors, CV-27 and CV-62. Items internal to the gloveboxes and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
29	This Set includes Rooms 3713, 3715, and 3717 and involves the removal and packaging of Gloveboxes 1509, 1510. 1514, 1521 A/B/C, and 1524. Items internal to these gloveboxes and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
30	This Set includes Room 3701 and involves the removal and packaging of Gloveboxes 1500 A/B, 1502, 1503, 1504, 1506, 1509, 1509A, 1512, 1513, 1516, and 1518; and Tanks 1507A/B, 1518D, 1525A/B/C, 1530 A/B, 1535 A/B, 1536A, 1538A, 1539A/B/C, 1543A/B, 1545A/B, and 1575. Items internal to these gloveboxes and external equipment will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.
31	This Set includes Room 3541 and involves the removal and packaging of drum storage operations.
32	This Set includes Rooms 3501 and involves the removal and packaging of drum storage operations.
33	This Set includes Room 3513 and involves the removal and packaging of drum storage operations.
34	This Set includes Room 3420 and involves the removal and packaging of drum storage operations.

Set	Description
35	This Set includes Rooms 3606 and 3189 and involves the removal and packaging of drum storage operations.
36	This Set includes Rooms 3709 and 3719 and involves the removal of control room equipment.
38	This Set includes Rooms 2201, 2202, 2202 A/B/C, 2221, 2301, 2304, 2306, and 2316. Piping, conduit, and ventilation duct will be removed, as necessary, to provide support for adjacent Dismantlement Sets.
39	This Set includes the corridors on the sub-basement level. Items located in the corridor (i.e., external equipment) will also be removed. Piping, conduit, and remaining ventilation ductwork will be removed, as necessary, to provide support for adjacent Dismantlement Sets.
40	This Set includes Room 2203 and involves the removal and packaging of Filter Plenums FP-125 A/B. Items internal to these filter plenums and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenums will be removed, as necessary, to facilitate access to the filter plenums and equipment.
41	This Set includes Room 2213 and involves the removal and packaging of Filter Plenums FP-241 and FP-242. Items internal to these filter plenums and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenums will be removed, as necessary, to facilitate access to the filter plenums and equipment.
46	This Set includes Room 2207 and involves the removal of control equipment for ventilation and health physics vacuum equipment.
50	This Set includes a portion of Room 2310 and involves the removal and packaging of Filter Plenum FP-141. Items internal to the filter plenum and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenum will be removed, as necessary, to facilitate access to the filter plenum and equipment.
51	This Set includes a portion of Room 2310 and involves the removal and packaging of Filter Plenum FP-142. Items internal to the filter plenum, and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenum will be removed, as necessary, to facilitate access to the filter plenum and equipment.
52	This Set includes a portion of Room 2310 and involves the removal and packaging of Filter Plenum FP-243. Items internal to the filter plenum and external equipment will also be removed. Piping, conduit, and ventilation duct to the plenum will be removed, as necessary, to facilitate access to the filter plenum and equipment.
56	This Set includes a portion of Room 3801 and involves the removal and packaging of Gloveboxes 107 and 113 and Tanks D-806 and D-807 A/B. Items internal to the contaminated gloveboxes and tanks will also be removed. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and tanks.

Set	Description
57	This Set includes Rooms 3810, a portion of Room 3809, and Room 4814 and involves the removal and packaging of Vapor Body Tanks T-802, T-803, and T-804; Tanks D-830, D-832, D-834, D-876, and D-879; Pumps P-819, P-820, P-821, P-822 A/B, P-823, P-824, P-825, P-840, and P-861; and Heat Exchangers E-806 A/B, E-807, E-808, E-809, E-810, and E-812 A/B. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the tanks and equipment.
58	This set includes Rooms 3803, 4805, and 4807 and involves the removal and packaging of Tanks D-825A/B, D-844A/B, and D-848; Gloveboxes 115 A/B, 116 A/B, 117A/B, and 118; drum handling equipment and Conveyors CV-808, CV-812, CV-813A/B, and CV-816; Sludge Dryer W-801; Dry Sludge Hopper H-3; Rotary Drum Filters FL-802 A/B; Vent Gas Scrubber T-807; Heat Exchangers E-804 A/B/C, E-817 A/B; and Pumps P-806 A/B, P-815 A/B, P-816 A/B, and P-862A/B. Piping, conduit, and ventilation will be removed, as necessary, to facilitate access to the gloveboxes and equipment.

2.2 Decommissioning Areas

Table 2-2 includes descriptions of the decommissioning areas. Area scope included remaining equipment dismantlement, asbestos abatement, structural decontamination, final survey, and demolition. A small amount of miscellaneous equipment (such as small sections of piping, ducting, and/or conduit) that met Unrestricted Release Criteria[2] (URC) and did not interfere with the pre-demolition survey activities was left for removal after demolition. A location map of these areas is provided in Attachment H.

[2] Removable contamination cannot exceed 20 dpm/100 cm^2; and fixed contamination cannot exceed 100 dpm/100 cm^2 averaged over 1 m^2 or 300 dpm/100 cm^2 for any 100 cm^2 area.

Table 2-2. Building 371/374 Decommissioning Areas

Area	Area Description
AA – East Side CWTS	This Area consists of portions of the CWTS system and includes removal of any remaining piping, electrical, and ventilation systems in sub-basement Rooms 1208 (storage vault), 1210, 1214, 1216, 1218, 1222, 1109, 1111, 1113, 1115, 1117, and basement incinerator vent scrubber canyon, Room 2327. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination. Room 1127 area contains surface areas associated with the criticality tank pit. Included are sub-basement corridors Rooms 1001 through 1005, 1121, 1121A, 1123, 1124, and surface areas of the decontamination storage tank pit.
AB – West Side CWTS	This Area consists of portions of the CWTS system and includes removal of remaining piping, electrical, and ventilation systems in sub-basement Rooms 1101(storage vault), 1103, and 1105, and basement Room 2319. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination
AC – Central Storage Vault	This Area consists of the CSV, repair bay and maintenance area, and I/O Stations #1 through #8 and includes removal of remaining piping, electrical, and ventilation systems in sub-basement vault Rooms 1206 (central storage vault), 1220 (stacker/retriever transfer bay), 1218 (repair bay), and 1224 (maintenance bay). Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination
AD – South Side Bsmt	This Area includes removal of remaining piping, electrical systems, and System #2 ventilation systems in basement Rooms 2201, 2203 2205, 2207, 2213, 2221, 2011, and 2325. Temporary ventilation systems will be installed to facilitate decontamination activities after filter plenum removal has been completed under the Dismantlement Sets.
AE – North Side Bsmt	This Area includes removal of remaining piping, electrical systems, and System #1 ventilation systems in basement Rooms 2306, 2310, 2301, 2307, 2317, 2316, 2015, and 2016. Temporary ventilation systems will be installed to facilitate decontamination activities after filter plenum removal has been completed under the Dismantlement Sets.
AF – Bsmt: Offices/ Admin	This Area includes removal of piping, electrical systems, and System #4 ventilation systems in basement office areas including Rooms 2101, 2103, 2102, 2107, and remaining administrative areas. In-process characterization will confirm radiological status and decontamination activities are not expected to be required.

Area	Area Description
AG—Wet Combustible PuSPS	This Area includes removal of remaining piping, electrical, and System #1 ventilation systems in ground floor Rooms 3701, 3713 and 3717 (removed incinerators and afterburners for high and low specific activity wastes, now PuSPS), 3189, 3606, 3602, and corridor Room 3031B. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination.
AH – Main Aqueous Process	This Area consists of the main aqueous processing area and includes the ion exchange, fluorination and precipitator canyons, and includes removal of remaining piping, electrical, and ventilation systems in ground floor Rooms 3559, 3563 (ion exchange tank vault), 3553 (on exchange canyon), 3549, and support Rooms 3545, 3543, 3557, 3521, 3531 (canyons), and support Rooms 3529, 3511, 3515, and 3523. Also included in this Area are Rooms 3517 and 3571 (nitric acid recovery), and 3573 (secondary nitric acid recovery). Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination.
AJ – Am Process/ SGS	This Area includes the americium canyons, and anion exchange canyon. Remaining piping, electrical, and System #1 ventilation systems in ground floor Rooms 3337, 3331, 3327 (canyons), and support Rooms 3321, 3325, 3333, 3335, 3513, 3501, 3301, 3303, 3305, 3315, and corridor Rooms 3035 and 3031A will be removed. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surface decontamination (e.g., scabbling) will remove contamination.
AK – Wet Residues/ SS&C	This Area consists of the residue sampling and wet repack area, and includes the removal of remaining piping, electrical, and ventilation systems in ground floor Rooms 3202, 3204, 3206, 3208, 3408, 3412, and 3420. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surfaces will be decontaminated (e.g., scabbling).
AL – Attic North	This Area includes removal of remaining piping, electrical, and System #1 ventilation systems in attic Rooms 4001, 4301, 4305, 4303, and 4307. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surfaces will be decontaminated (e.g., scabbling).
AM – Attic South/ Chem Makeup	This Area consists of the Chemical Make-Up Area and includes the removal of piping, electrical, and System #2 ventilation systems in attic Rooms 4202, 3189, 4101, 4102, 4103, 4104, 4105, and 4106. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surfaces will be decontaminated (e.g., scabbling).

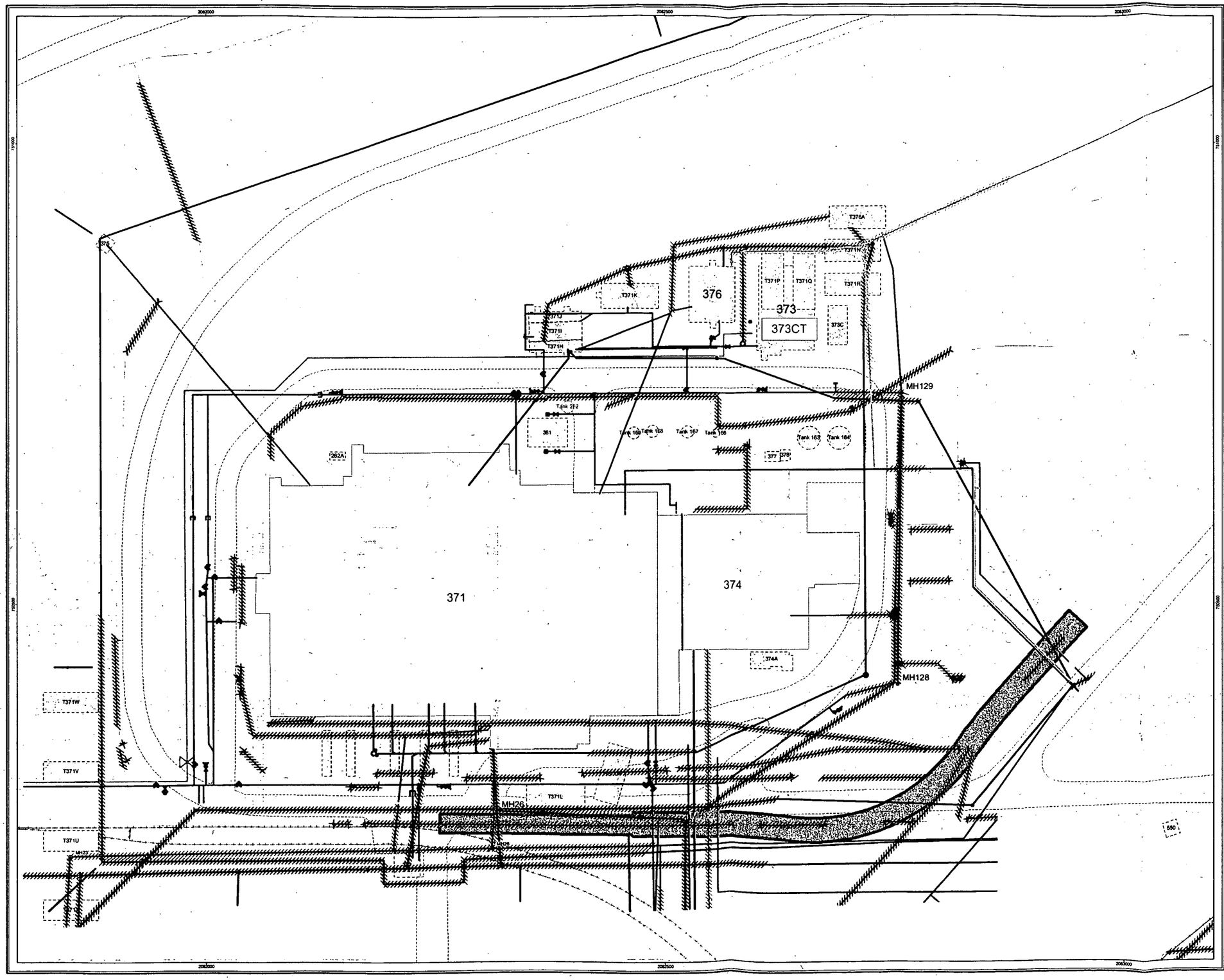
Area	Area Description
AN – Wste Process	This area consists of Building 374, the Liquid Waste Process Treatment Building. Piping, electrical and ventilation systems remaining after dismantlement will be removed. Interior surfaces will have paint removed to facilitate PDS. In-process characterization will identify areas of surficial contamination, and surfaces will be decontaminated (e.g., scabbling).
AP – Main Floor offices	This Area consists of office and support areas, maintenance, and cold laboratories in Building 371, and includes the removal of piping, electrical, and ventilation systems in office areas. In-process characterization will confirm radiological status and decontamination activities are not expected to be required.
AQ – Outbldgs & Trailers	This Area consists of remaining exterior surfaces (walls and roofs) of Buildings 371/374 and 12 structures/trailers (identified as 371A-K, 376, 376A, 377, 378, Building 373 (cooling tower), and the carpenters shop), and includes the removal of remaining exterior surface-mounted electrical and clean piping systems to facilitate PDS. In-process characterization will confirm radiological status and decontamination activities are not expected to be required. Demolition of Building 371/374 will occur at the close of structural decontamination activities, and the completion of PDS, and included within this Area.

3.0 Schedule

In general, decommissioning activities proceeded as follows:

- Scoping and reconnaissance level characterization, including facility typing, were performed
- Detailed planning was completed
- Process equipment, piping, ducts, non-structural walls, and other interferences were removed, size-reduced or decontaminated and packaged for disposal
- Structural decontamination activities were performed
- Final surveys were performed
- Subsurface drains disrupted and grouted
- All utilities were disconnected (see Figure 2)
- Sub-basement (Bldg. 371) and basements (Bldg. 371 and 374) backfilled and compacted
- Buildings were demolished
- Concrete was processed and placed for fill (Phases I-III) or packaged as Low-Level Waste (Phases IV/V)
- Backfill was placed to restore grade
- Top soil and seeding were placed

Figure 2
Building 371
Underground Utilities



EXPLANATION

- Alarm
- 2nd Alarm
- Classified Data
- Classified LAN
- Original Alarm
- Telephone
- Alarm (PIDAS)
- Nitrogen Lines
- Natural Gas
- Fuel Line
- Sewer Blocks
- Sewer
- Sewer Abandoned
- Underground Steam
- DCWF
- Raw Water
- Power
- Culverts & Drains
- Original Process Waste Lines
- New Process Waste Lines
- Manholes *

NOTE: Hatched line symbols represent removed features.
* Color indicates utility type.

Standard Map Features

- Remaining Structure
- Removed Structure
- Demolished Roads
- Paved Roads
- Dirt Roads
- Railroad Removed
- Railroad Remaining
- Stream or Ditch
- Lakes and Ponds
- Riprap Areas

N

40 0 40 80 120 160 Feet

State Plane Coordinate Projection
Colorado Central Zone (3476)
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared By:
CH2MHILL
GIS DEPT. (303) 966-7707

Prepared For:
KAISER•HILL COMPANY

DATE: 10/25/2005

PATH: \\gisrv\GIS\Projects\fy2005\05-0275F\figure2-371.mxd

Unit #	Description	Closure Method
374.1	Container Storage Room 2804	Decontamination
53	Miscellaneous Cementation (Rm. 2325)	Unit Removal
90.104	Container Storage, Glove box (GB-37C) in Rm. 3305	Decontamination
90.14	Container Storage, Rm. 1111	Decontamination
90.19	Container Storage, Rm. 1115	Decontamination
90.4	Container Storage, Rm. 3543	Decontamination
90.71	Container Storage, Rm. 3511	Decontamination
90.8	Container Storage, Rm. 3567A	Decontamination
90.94	Container Storage, Rm. 3331	Decontamination
90.95	Container Storage, Rm. 3327	Decontamination
91.008	Tank D-160A, Rm. 1115	Unit Removal
91.009	Tank D-160B, Rm. 1115	Unit Removal
91.010	Tank D-2A, Rm. 1117	Unit Removal
91.011	Tank D-2B, Rm. 1117	Unit Removal
91.012	Tank D-293A, Rm. 1127	Unit Removal
91.013	Tank D-293B, Rm. 1127	Unit Removal
91.014	Tank D-934A, Rm. 2223	Unit Removal
91.015	Tank D-934B, Rm. 2223	Unit Removal
91.016	Tank D-292A, Rm. 2317	Unit Removal
91.017	Tank D-292B, Rm. 2317	Unit Removal
91.039	Tank D-55A, Rm. 3559	Unit Removal
91.040	Tank D-55B, Rm. 3559	Unit Removal
91.041	Tank D-49B, Rm. 3563	Unit Removal
91.042	Tank D-49C, Rm. 3563	Unit Removal
91.043	Tank D-49D, Rm. 3563	Unit Removal
371.1A	Container Staging Area, Rm. 3301	Decontamination
371.1A	Container Staging Area, Rm. 3315 (90.103)	Decontamination
371.1A	Container Staging Area, Rm. 3513	Decontamination
371.1A	Container Staging Area, Rm. 3541	Decontamination
371.1A	Container Staging Area, Rm. 3709	Decontamination

Unit #	Description	Closure Method
371.1A	Container Storage, Rm. 2202A, 2202B, 2202C (90.10)	Decontamination
371.1A	Container Storage, Rm. 1103	Decontamination
371.1A	Container Storage, Rm. 1210 (90.63)	Decontamination
371.1A	Container Storage, Rm. 2202	Decontamination
371.1A	Container Storage, Rm. 2207 (90.5)	Decontamination
371.1A	Container Storage, Rm. 2217	Decontamination
371.1A	Container Storage, Rm. 2223/2207 (90.20/90.5)	Decontamination
371.1A	Container Storage, Rm. 2306	Decontamination
371.1A	Container Storage, Rm. 2321	Decontamination
371.1A	Container Storage, Rm. 2325 (90.16)	Decontamination
371.1A	Container Storage, Rm. 3187B (counter only), (90.11)	Decontamination
371.1A	Container Storage, Rm. 3189 (90.1)	Decontamination
371.1A	Container Storage, Rm. 3206 (90.9)	Decontamination
371.1A	Container Storage, Rm. 3305 (90.104)	Decontamination
371.1A	Container Storage, Rm. 3321 (90.6)	Decontamination
371.1A	Container Storage, Rm. 3341 (90.7)	Decontamination
371.1A	Container Storage, Rm. 3412	Decontamination
371.1A	Container Storage, Rm. 3420 (63) (90.63)	Decontamination
371.1A	Container Storage, Rm. 3501 (90.62)	Decontamination
371.1A	Container Storage, Rm. 3717	Decontamination
371.1A	Container Storage, Rooms 2010/2011	Decontamination
371.1B	Combustible Residues Stabilization Process (Rm. 3701 - Glove box 1509, including Franklin-Miller Model TM1611, Glove box 1509A; and the Rm. 3701 Shredder)	Unit Removal
371.1B	Rm. 3515, GB-32	Unit Removal
371.1B	Container Storage, Rm. 3206, GB-39, GB-40 (90.143) and GB-42	Unit Removal
371.1B	Container Storage, Rm. 3408, Glove boxes 72B & 72C (90.142)	Unit Removal
371.1B	Container Storage, Rm. 3412, Glove boxes 47, 48A, [48B & 48C (90.18)], 50A, 50B, 51A, 51B, 51C, and 51E.	Unit Removal
371.1B	Container Storage, Rm. 3602, Glove box 1 (90.70) (90.141), GB-2, and GB 3	Unit Removal
371.1C	Vault Container Storage, Rm. 1101 (90.12)	Decontamination
371.1C	Vault Container Storage, Rm. 1208 (90.15)	Decontamination

Unit #	Description	Closure Method
371.1C	Vault Container Storage, Rm. 3202 (90.72)	Decontamination
371.1C	Vault Container Storage, Rm. 3204 (90.96)	Decontamination
371.1C	Vault Container Storage, Rm. 3602 (90.70)	Decontamination
371.1C	Vault Container Storage, Rm. 3606 (90.2)	Decontamination
371.1C	Vault Container Storage, Stacker Retriever (90.100)	Decontamination
371.3A	Caustic Waste Treatment System: Rms. 1103, 1105, 1113, 1115; Glove boxes 18 & 2404; Tanks D-2401A, B, C, & D; and Tanks D-2402A & B (91.001-91.006)	Unit Removal
371.3C	Fluoride Treatment Process (Rm. 3515, GB-32)	Unit Removal
371.1A	Container Storage Room 3602	Decontamination
371.1A	Container Storage Room 3701	Decontamination
371.1A	Container Storage Room 2301	Decontamination
371.1A	Container Storage Room 3515	Decontamination
371.1A	Container Storage Room 3408/3412	Decontamination
371.1A	Container Storage Room 3713/3717	Decontamination

All gloveboxes, tanks and associated piping were removed during decommissioning activities. Several gloveboxes and tanks were decontaminated and dispositioned as non-hazardous waste. Systems that could not be adequately decontaminated were dispositioned as hazardous or mixed waste. After all containers, gloveboxes, tanks and associated piping were removed, remaining units, which consisted of the buildings, or secondary containments, were decontaminated and closed in accordance with the DOP. Secondary containment areas were decontaminated using scabbling techniques (dry shaving). Following decontamination activities, a registered Professional Engineer (PE) inspected each area and certified the unit had met the closure performance standard identified in the DOP. The PE certification is included in Attachment B.

No soil contamination resulted from the management of hazardous waste within Buildings 371 and 374. As a result, no post-closure activities are required.

ATTACHMENT A

ADMINISTRATIVE RECORD SUMMARY

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000001	YES, ROUTINE	N/A			Radiological and Non-Radiological Characterization Package for the Building 371 Cluster, November 1999. Based upon historical and process knowledge, the radiological contaminants of concern for the purposes of surveys and sampling were determined to be Uranium (U), Plutonium (Pu), and Americium (Am). The non-radiological contaminants of concern for the purposes of sampling were determined to be RCRA metals, RCRA volatile organics, Beryllium (Be), PCBs, and Asbestos. The total surveys and samples to be taken are summarized in Table 1. The B371 Cluster consists of buildings: 371, 373, 374, 377, 378, 381, 374A, 262, 262A, and Tanks 163, 164, 165, 166, 167, 168, 169, 170, 224, 225, 226, 227, 228, and T4A.
11/01/1999			BROUSSARD, MARCELLA C	NOT INDICATED	
591 Pages			STEVENS, JEFFREY L.		
PUBLIC					
B371 A 000002	YES, ROUTINE	WRB-007-95			Rocky Mountain Remediation Services, L.L.C. (RMRS) transmits Building 371 Drainage System Simulation Report, which examined the effect of a catastrophic failure of the foundation drainage system and provided estimates of the water level recovery after such an event.
09/11/1995			BELCHER, W. R.	PEREGOY, W. L.	
30 Pages					
PUBLIC					
B371 A 000003	YES, ROUTINE	00-DOE-03797			US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards the Reconnaissance Level Characterization Report (RLCR) for the Building 371 Cluster. The RLCR is being forwarded for concurrence in accordance with Section 3.3.4 of the Decommissioning Characterization Program Plan (DPP).
11/08/2000			LEGARE, JOSEPH A.	GUNDERSON, STEVE	
2 Pages					
PUBLIC					
B371 A 000004	YES, ROUTINE	MBM-086-95			Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum forwarding Review of Design Criteria for the Protected Area Reconfiguration Project. Comment 1 suggests additional wording for seed mixture selection for vegetation. Comment 2 addresses the need for bird exclusion devices to discourage Cliff Swallow nesting on the new guard tower. Comments 3 and 4 deal with recent
09/19/1995			MURDOCK, M. B.	RITCHARD, R. E.	
3 Pages					
PUBLIC					

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000005 09/21/1995 1 Pages PUBLIC	YES, ROUTINE	MBM-089-95	MURDOCK, M. B.	OTTENSMAN, TOM	Rocky Mountain Remediation Services, L.L.C. (RMRS) memorandum discussing the use of artificial owls as a bird deterrent around Building 371 dock areas. This will not violate the wildlife laws or regulations. The Colorado Division of Wildlife (CDW) often recommends the scarecrow method.
B371 A 000006 10/20/2000 4 Pages PUBLIC	YES, ROUTINE	00-DOE-03847	LEGARE, JOSEPH A.	GUNDERSON, STEVE REHDER, TIMOTHY	US Department of Energy, Rocky Flats Field Office (DOE/RFFO), forwards correspondence regarding a letter dated March 22, 2000, by the DOE to the US Environmental Protection Agency (EPA) and the Colorado Department of Public Health and Environment (CDPHE). Provides notification that the Rocky Flats Cleanup Agreement (RFCA), Part II, Subpart D, Paragraph 164, that targets Fiscal Year 2000 FY00, entitled Install and Operate Plutonium (Pu) Packaging System in Building 371 by March, would not be met. It was requested that the target be changed to operate the Plutonium Stabilization and Packaging System by October 31, 2000. The startup schedule has change from October 31, 2000, to January 2001 and the completion date remains May 2002.
B371 A 000007 11/08/2000 2 Pages PUBLIC	YES, ROUTINE	00-DOE-03797	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards the attached [000008] Reconnaissance Level Characterization Report (RLCR) for the Building 371/374 Cluster, dated August 28, 2000. This is in concurrence in accordance with Section 3.3.4 of the Decommissioning Characterization Program Plan (DCPP).
B371 A 000008 08/28/2000 169 Pages PUBLIC	YES, ROUTINE	00-DOE-03797	NOT INDICATED NOT INDICATED	NOT INDICATED	Reconnaissance Level Characterization Report (RLCR) for the Building 371/374 Cluster, Revision 0, dated August 28, 2000. RLC results indicate the presence of radioactive contamination and possibly within the vapor effect tanks and the spray dryer. Hazards were assessed based on a review of historical ("HSA") and process knowledge, historical radiological and chemical data, and newly acquired RLC data. Support buildings associated with this cluster: 371, 374, 373,

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000009 11/08/2000 2 Pages PUBLIC	YES, ROUTINE	00-DOE-03797	LEGARE, JOSEPH A.	GUNDERSON, STEVE	US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards the attached [000010] Reconnaissance Level Characterization Report (RLCR) for the Building 371/374 Cluster, Revision 1, dated August 28, 2000, for concurrence in accordance with Section 3.3.4 of the Decommissioning Characterization Program Plan (DCPP).
B371 A 000010 08/28/2000 172 Pages PUBLIC	YES, ROUTINE	Ref: 00-DOE-03797	NOT INDICATED NOT INDICATED	NOT INDICATED	Reconnaissance Level Characterization Report (RLCR), for the Building 371/374 Cluster, Revision 1 August 28, 2000. RLC results indicate the presence of radioactive contamination and possibly within the vapor effect tanks and the spray dryer. Hazards were assessed based on a review of historical and process knowledge, historical radiological and chemical data, and newly acquired RLC data.
B371 A 000011 11/27/2000 1 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	Correspondence from the Colorado Department of Public Health and Environment (CDPHE) Management Division concurs with the determination that Building 371 is a Type 3 Facility. However the Division does not concur that Building 374 is a Type 2 Facility.
B371 A 000012 12/13/2000 1 Pages PUBLIC	YES, ROUTINE	N/A	FOSS, DYAN	GERDEMAN, FRED HINDMAN, JAMES	Discussion of the proposed schedule of the Building 371 Decommissioning Operations Plan (DOP) and it would be appropriate to initiate the formal Public Comment Period the week of December 18, 2000.
B371 A 000013 12/15/2000 3 Pages PUBLIC	YES, ROUTINE	N/A	GERDEMAN, FRED	ADMINISTRATIVE RECORD	Rocky Flats Cleanup Agreement (RFCA) decision of Building 371 planned work in Room 3701 which was agreed on December 15, 2000. The work includes removal of all nine Gloveboxes, one C-Cell and one Airlock.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000014 12/21/2000 2 Pages PUBLIC	YES, ROUTINE	00-DOE-04260	LEGARE, JOSEPH A.	GUNDERSON, STEVE	US Department of Energy, Rocky Flats Field Office (DOE/RFFO) forwards the Final Draft of the Decommissioning Operations Plan (DOP) for the 371/374 Cluster Closure Project dated December 20, 2000, to the Colorado Department of Public Health and Environment (CDPHE).
B371 A 000015 12/20/2000 214 Pages PUBLIC	YES, ROUTINE	Ref: 00-DOE-04260	NOT INDICATED	NOT INDICATED	Final Draft of the Decommissioning Operations Plan (DOP) for the 371/374 Cluster Closure Project dated December 20, 2000. This final draft includes Appendices A through E, plus several maps and diagrams of the area.
B371 A 000016 01/31/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	Colorado Department of Public Health and Environment (CDPHE), correspondence regarding their review of the Reconnaissance Level Characterization Report (RLCR), for the Building 371. The Division concurs with the facility classifications listed, but requires an underground tank to have further characterization.
B371 A 000017 02/09/2001 5 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE HINDMAN, JAMES	LEGARE, JOSEPH A. FOSS, DYAN	Colorado Department of Public Health and Environment (CDPHE) forwards comments on the Final Draft of the Building 371 and 374 Closure Project Decommissioning Operations Plan (DOP), dated December 20, 2000. This plan describes how decommissioning activities will be preformed for Type 2 and Type 3 facilities. The Division does not require any significant changes.
B371 A 000018 01/23/2001 8 Pages PUBLIC	YES, ROUTINE	N/A	HARLOW, MARY	FOSS, DYAN	City of Westminster transmits the review and comments for the Building 371/374 Decommissioning Operations Plan (DOP), in which they find a notable lack in information. The specifics are difficult in this document, as the demolition is five or six years away. The comments discuss the project approach, the Pre-Demolition Survey (PDS) and the Removal of the CSV and I/O Stations.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000019 02/09/2001 5 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE HINDMAN, JAMES	LEGARE, JOSEPH A. FOSS, DYAN	Colorado Department of Public Health and Environment (CDPHE), transmits Comments on the Final Draft of the Building 371/374 Decommissioning Operations Plan (DOP) dated December 20, 2000. This DOP is well written and does not require many significant changes.
B371 A 000020 02/05/2001 8 Pages PUBLIC	YES, ROUTINE	N/A	GARCIA, SHIRLEY	FOSS, DYAN	City of Broomfield transmits the review and comments for the Building 371/374 Decommissioning Operations Plan (DOP) dated December 20, 2000. The comments related to the concern of the Decontamination and Decommissioning (D&D) activities, which may have the potential to impact human health and the environment both on and off site.
B371 A 000021 02/26/2001 4 Pages PUBLIC	YES, ROUTINE	N/A	ABELSON, DAVID M.	FOSS, DYAN	Rocky Flats Coalition of Local Governments (RFCLG) transmits the comments on the Building 371/374 Closure Project Decommissioning Operations Plan (DOP). The comments include issues raised that not only apply to B371 Closure Project, but also the Decontamination and Decommissioning (D&D) and Environmental Restoration (ER) of the entire Industrial Area (IA).
B371 A 000022 02/15/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	HINDMAN, JAMES	DISTRIBUTION	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) discusses the comments on the Building 371 Decommissioning Operations Plan (DOP).
B371 A 000023 02/14/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	HARLOW, MARY	DISTRIBUTION	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) discusses the comments on the Building 371 Decommissioning Operations Plan (DOP). The topics discussed were the use of explosives, monitoring during decommissioning, the Integrated Monitoring Plan (IMP) update, and the method of back filling the void that will be created during decommissioning activities.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000024 02/23/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	HINDMAN, JAMES	FOSS, DYAN	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) discusses the phone calls made to resolve the remaining issues associated with the Building 371 Decommissioning Operations Plan (DOP). The concern that the DOP did not provide adequate notification for the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) was discussed.
B371 A 000025 02/21/2001 2 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Purpose of Contact: Discusses the comments on the Building 371 Decommissioning Operations Plan (DOP) at Westminster City Hall. The meeting focused on questions and concerns related to the Waste Management (WM) Program and South Side decommissioning activities.
B371 A 000026 02/28/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	HINDMAN, JAMES	FOSS, DYAN	Purpose of Contact: Discusses the redlined Decommissioning Operations Plan (DOP) for Building 371.
B371 A 000027 03/09/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	HINDMAN, JAMES	FOSS, DYAN	Purpose of Contact: Discusses minor modifications due to a set table throughout the Decommissioning Operations Plan (DOP) for consistency. The DOP needs to include how the Under Building Contaminant (UBC) will be characterized and how the UBC characterization will be integrated with decommissioning activities.
B371 A 000028 03/08/2001 2 Pages PUBLIC	YES, ROUTINE	01-DOE-00433	LEGARE, JOSEPH A.	GUNDERSON, STEVE	US Department of Energy (DOE) forwards the Decommissioning Operations Plan (DOP) for Building 371/374 Cluster Closure Project dated February 27, 2001, Revision 0 for approval.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000029 02/27/2001 165 Pages PUBLIC	YES, ROUTINE	Ref: 01-DOE-00433	NOT INDICATED	DISTRIBUTION	Decommissioning Operations Plan (DOP) for Building 371/374 Cluster Closure Project dated February 27, 2001, Revision 0. The Building 371/374 Closure Project is comprised of Buildings 371, 374, 373, 374A, 377, 378, 381 and 14 aboveground storage tanks. Appendices A through E are included in this plan.
B371 A 000030 03/15/2001 2 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	Colorado Department of Public Health and Environment (CDPHE) have become aware of the Preliminary Notification of Information date February 9, 2001 which states "A trend has developed in Building 371 concerning a failure to consistently report incidents via the occurrence report process".
B371 A 000031 03/29/2001 2 Pages PUBLIC	YES, ROUTINE	01-DOE-00611; 00232-RF-01	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Transmits the Building 371/374 Closure Project Decommissioning Operations Plan (DOP), Revision 0 dated March 26, 2001, for approval from the Colorado Department of Public Health and Environment (CDPHE). This plan has been revised to incorporate clarifications, corrections and editorial changes requested by the CDPHE.
B371 A 000032 03/26/2001 163 Pages PUBLIC	YES, ROUTINE	Ref: 01-DOE-00611; 00232-RF-01	NOT INDICATED	DISTRIBUTION	Building 371/374 Closure Project Decommissioning Operations Plan (DOP), Revision 0 dated March 26, 2001. Appendix A includes B371/374 Resource Conservation and Recovery Act (RCRA) Regulatory Units and specific closure information sheets. Appendix C consists of B371/374 RCRA Regulated Tank Units and related drawings. Appendices D and E are the closure project schedule and the Decommissioning Operations Plan (DOP) comment responsiveness summary.
B371 A 000033 03/29/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	Colorado Department of Public Health and Environment (CDPHE) forwards their approval of the Building 371/374 Closure Project Decommissioning Operations Plan (DOP). The DOP describes how decommissioning activities will be performed for Type 2 and Type 3 Facilities.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000034 03/29/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division (the Division) forwards their approval of the Building 371/374 Closure Project Decommissioning Operations Plan (DOP). The DOP describes how decommissioning activities will be performed for Type 2 and Type 3 Facilities.
B371 A 000035 05/21/2001 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting, May 21, 2001. Decontamination and Decommissioning (D&D) Summary consists of Non-Actinide Liquid Draining, Tank, Glovebox, CSV and Set 16 Deactivation. Dismantlement Strategies and Special Projects are reported. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000036 06/04/2001 9 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting, June 4, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000037 06/11/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, June 11, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000038 06/18/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, June 18, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000039 06/25/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, June 25, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000040 07/02/2001 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, July 2, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000041 07/16/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, July 16, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000042 07/23/2001 7 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, July 23, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000043 07/30/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, July 30, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000044 08/06/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, August 6, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000045 08/13/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, August 13, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000046 08/20/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, August 20, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000047 08/27/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, August 27, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000048 09/10/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, September 10, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000049 09/17/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, September 17, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages	Title / Subject
B371 A 000050	YES, ROUTINE	N/A				Building 371 Closure Project - Weekly Status Meeting US Department of Energy (DOE)/Lead Regulatory Agency, September 24, 2001.
09/24/2001			ARNOLD, PAM	ADMINISTRATIVE RECORD	9	
PUBLIC						
B371 A 000051	YES, ROUTINE	01-RF-02237; JPF-039-01				Submits the attached [000052] Revision 1 of Reconnaissance Level Characterization (RLC), Pre-Demolition Survey Report (PDSR) for the Building 371 North-Side Demolition Project.
09/21/2001			FLOERKE, JIM	GERDEMAN, FRED	1	
PUBLIC						
B371 A 000052	YES, ROUTINE	Ref: 01-DOE-01780; 00654-RF-01; 01-RF-02237; JPF-0:				Reconnaissance Level Characterization (RLC)/Pre-Demolition Survey Report (PDSR) Building 371 North Side Demolition Project, Revision 1 September 21, 2001. This PDSR includes Tanks T163, T164, T165, T167, T168 and T169, and Related Containment, Berms and Pads. Attachment A consists of Facility Location Maps, Attachment B, Radiological and Chemical Characterization Packages. Attachment C holds Radiological Survey Unit Packages and Attachment D, Data Quality Assessment (DQA) Details.
09/21/2001			NOT INDICATED	DISTRIBUTION	113	
PUBLIC						
B371 A 000053	YES, ROUTINE	01-DOE-01780; 00654-RF-01				Forwards the attached [000052] Reconnaissance Level Characterization (RLC)/Pre-Demolition Survey Report (PDSR) Building 371 North Side Demolition Project, Revision 1 September 21, 2001.
10/03/2001			LEGARE, JOSEPH A.	GUNDERSON, STEVE	2	
PUBLIC						
B371 A 000054	YES, ROUTINE	N/A				Provides the enclosed Weekly Status Meeting DOE/LRA for October 1, 2001. The agenda consisted of Tank, Glovebox, CSV and Set 16 Deactivation for Building 371. Special Projects include Cerium Nitrate and MAA/PA Closure.
10/01/2001			ARNOLD, PAM	ADMINISTRATIVE RECORD	10	
PUBLIC						

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000055 10/12/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	GUNDERSON, STEVE ONYSKIW, DENISE M.	LEGARE, JOSEPH A.	Approval of facility typing as reported in the Reconnaissance Level Characterization Report (RLCR) Pre-Demolition Survey Report (PDSR), 371 North Side Demolition Project.
B371 A 000056 10/15/2001 20 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting: Decontamination and Decommissioning (D&D) projects consist of Non-Actinide Liquid Draining, Tank and Glovebox, Deactivation, CSV and Set 16 Deactivation. Special Projects consists of Cerium Nitrate and MMA/PA Closure.
B371 A 000057 10/18/2001 3 Pages PUBLIC	YES, ROUTINE	01-DOE-01894; 00701-RF-01	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Invoking the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol for Recycling Concrete / Building Rubble (RSOP for Recycling Concrete), for Building 371 North Side project.
B371 A 000058 08/08/2001 2 Pages PUBLIC	YES, ROUTINE	01-DOE-01261; 01-RF-01534; 00527-RF-01	LEGARE, JOSEPH A. NORTH, KARAN	DOWSETT, FREDERICK R.	US Department of Energy, Rocky Flats Field Office (DOE/RFFO) and Kaiser-Hill Company, L.L.C. (K-H) requests written confirmation from the Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division (HZMD) accepting clarification that discharges from the operation of the Building 374 evaporator. This will be sampled quarterly for the purpose of implementing the B374 Product Water Monitoring Plan.
B371 A 000059 03/01/1998 44 Pages PUBLIC	YES, ROUTINE	RF/RMRS-97-121	NOT INDICATED	DISTRIBUTION	Scope and Applicability of Building 374, Health and Safety Plan (HASP) Revision 0, March 1, 1998. Included in this plan are Appendices 1 through 9.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000060 10/29/2001 1 Pages PUBLIC	YES, ROUTINE	N/A	FOSS, DYAN	HINDMAN, JAMES	Purpose of Contact: Discusses the verification of adequacy for proposed waste line flushing for the Building 371 Project to ensure the lines are Resource Conservation and Recovery Act (RCRA) stable.
B371 A 000061 10/22/2001 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, October 22, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air. Attached is an e-mail correspondence, providing a list of the areas from which concrete will be recycled.
B371 A 000062 11/05/2001 12 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Building 371 Closure Project Weekly Status Meeting, November 5, 2001. Decontamination and Decommissioning (D&D) Summary consist of Non-actinide Liquid Draining, Tank, Glovebox CSV, and Set 16 Deactivation. Special Projects consist of Cerium Nitrate testing, MAA/PA Closure, North Side Cleanup, Remote Dismantlement Chamber and Breathing Air.
B371 A 000063 11/19/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, November 19, 2001
B371 A 000064 10/29/2001 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, October 29, 2001

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000065 11/12/2001 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, November 12, 2001
B371 A 000066 12/03/2001 17 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, December 3, 2001
B371 A 000067 12/17/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, December 17, 2001
B371 A 000068 12/10/2001 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, December 10, 2001
B371 A 000069 01/02/2002 11 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, January 2, 2002

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000070 01/09/2002 10 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, January 9, 2002
B371 A 000071 01/16/2002 10 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, January 16, 2002.
B371 A 000072 01/23/2002 10 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, January 23, 2002.
B371 A 000073 01/30/2002 10 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, January 30, 2002.
B371 A 000074 02/06/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting: Building 371 Closure Project, February 6, 2002.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000075	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA Minutes and Building 371 Closure Project Weekly Status Meeting, for February 13, 2002.
02/13/2002			Author(s)	Recipient(s)	
13 Pages			IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	
PUBLIC			MATHIASMEIER, SUE		
B371 A 000076	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA for February 20, 2002: Building 371 Closure Project, Weekly Status Meeting.
02/20/2002			Author(s)	Recipient(s)	
13 Pages			GREEN, KEN	ADMINISTRATIVE RECORD	
PUBLIC			IDIZ, ERDEM F.	ARNOLD, PAM	
B371 A 000077	YES, ROUTINE	N/A			*Weekly Status Meeting DOE/LRA for February 27, 2002* - Building 371 Closure Project Weekly Status Meeting
02/27/2002			Author(s)	Recipient(s)	
13 Pages			IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	
PUBLIC					
B371 A 000078	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA for March 13, 2002 - Building 371 Closure Project Weekly Status Meeting
03/13/2002			Author(s)	Recipient(s)	
13 Pages			IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	
PUBLIC					
B371 A 000079	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA for March 6, 2002 - Building 371 Closure Project Weekly Status Meeting
03/06/2002			Author(s)	Recipient(s)	
13 Pages			IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	
PUBLIC					

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000080 03/27/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting, March 27, 2002
B371 A 000081 03/20/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	DISTRIBUTION	B371 Closure Project Weekly Status Meeting, March 20, 2002
B371 A 000082 04/03/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting DOE/LRA: Building 371 Closure Project Weekly Status Meeting, April 3, 2002.
B371 A 000083 04/17/2002 14 Pages PUBLIC	YES, ROUTINE	N/A	IDIZ, ERDEM F.	ADMINISTRATIVE RECORD	Weekly Status Meeting DOE/LRA for April 17, 2002 - Building 371 Closure Project Weekly Status Meeting
B371 A 000084 04/24/2002 14 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	ADMINISTRATIVE RECORD	Weekly Status Meeting DOE/LRA for April 24, 2002 - Building 371 Closure Project Weekly Status Meeting

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000085 05/01/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Building 371 Closure Project - Weekly Status Meeting DOE/LRA, May 1, 2002: This week's meeting was the first of the monthly Decontamination and Decommissioning (D&D) activity walk-downs. The agenda was handed out to participants and used to facilitate the walk-down as well as provide the weekly activities update.
B371 A 000086 05/08/2002 15 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 8, 2002 - Building 371 Closure Project Weekly Status Meeting
B371 A 000087 05/15/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	FLOERKE, JIM	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 15, 2002. The agenda consisted of Tank, Glovebox deactivation, Set 9 CSV and Set 12 Glovebox removal for Building 371. MAA/PA closure, breathing air, Miscellaneous Decontamination and Decommissioning (D&D) status and Sets 7, 14, 21 and 56 status is part of the agenda.
B371 A 000088 05/22/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Building 371 Closure Project - Weekly Status Meeting DOE/LRA, May 22, 2002: Decontamination and Decommissioning (D&D) includes, Sets Status, Tanks, Gloveboxes MAA/PA Closure, Gloveboxes to Envirocare ans 3000 legacy drums. Construction includes Set 56 and 21 Dismantlement in Building 374.
B371 A 000089 06/05/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	ARNOLD, PAM	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting, June 5, 2002: Agenda and meeting notes.

There are 286 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages	Title / Subject
B371 A 000090	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA Minutes and Building 371 Closure Project Weekly Status Meeting, for June 12, 2002.
06/12/2002						
PUBLIC						
B371 A 000091	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for June 19, 2002, Building 371 Closure Project.
06/19/2002						
PUBLIC						
B371 A 000092	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	20	Weekly Status Meeting DOE/LRA for June 26, 2002; Building 371 Closure Project is the agenda. The agenda consists of Decontamination and Decommissioning (D&D), Construction, Facility, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
06/26/2002						
PUBLIC						
B371 A 000093	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for July 3, 2002; Building 371 Closure Project is the agenda. The agenda consists of Decontamination and Decommissioning (D&D), Construction, Facility, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
07/03/2002						
PUBLIC						
B371 A 000094	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for April 10, 2002; Building 371 Closure Project Weekly Status Meeting
04/10/2002						
PUBLIC						

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000095 07/17/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 17, 2002 - Building 371 Closure Project: The agenda includes Decontamination and Decommissioning (D&D), Construction, Facility, PuSPS, Authorization Basis/BIO and Environmental & Action Items.
B371 A 000096 07/24/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 24, 2002 - Building 371 Closure Project: The agenda includes Decontamination and Decommissioning (D&D), Construction, Facility, PuSPS, Authorization Basis/BIO and Environmental & Action Items.
B371 A 000097 07/31/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 31, 2002 - Building 371 Closure Project: The agenda includes Decontamination and Decommissioning (D&D), Construction, Facility, PuSPS, Authorization Basis/BIO and Environmental & Action Items.
B371 A 000098 08/21/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 21, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, Facility, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000099 08/07/2002 12 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 7, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction, Facility, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages	Title / Subject
B371 A 000100	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for September 11, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
09/11/2002						
PUBLIC						
B371 A 000101	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	15	Weekly Status Meeting DOE/LRA for August 14, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
08/14/2002						
PUBLIC						
B371 A 000102	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for September 4, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
09/04/2002						
PUBLIC						
B371 A 000103	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for September 18, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
09/18/2002						
PUBLIC						
B371 A 000104	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for September 25, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
09/25/2002						
PUBLIC						

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages	Title / Subject
B371 A 000105	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for October 9, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
10/09/2002						
PUBLIC						
B371 A 000106	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	16	Weekly Status Meeting DOE/LRA for October 2, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Attached is the Building 371/374 Project Berm Removal Evaluation and a table of Environmental Status, Regulated Items.
10/02/2002						
PUBLIC						
B371 A 000107	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for October 16, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
10/16/2002						
PUBLIC						
B371 A 000108	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for October 23, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
10/23/2002						
PUBLIC						
B371 A 000109	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	7	Weekly Status Meeting DOE/LRA for December 4, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
12/04/2002						
PUBLIC						

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000110 11/27/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for November 27, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000111 11/20/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for November 20, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000112 12/11/2002 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for December 11, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Also attached is the Resource Conservation and Recovery Act (RCRA) Unit Description, Environmental Status.
B371 A 000113 08/24/2000 29 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Review comment and disposition sheet for the Reconnaissance Level Characterization Report (RLCR) for Building 371 Cluster, Revision 0.
B371 A 000114 12/18/2002 14 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for December 18, 2002; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000115 02/05/2003 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for February 5, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000116 01/08/2003 37 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 8, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Includes Building 371 and 374 Closure Process for Treatment Units Checklists and Tank Daily Inspection Log Sheets.
B371 A 000117 01/15/2003 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 15, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000118 01/22/2003 14 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 22, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000119 01/29/2003 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 29, 2003; Building 371 Closure Project:

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages	Title / Subject
B371 A 000120	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for February 19, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
02/19/2003						
PUBLIC						
B371 A 000121	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	13	Weekly Status Meeting DOE/LRA for February 12, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
02/12/2003						
PUBLIC						
B371 A 000122	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for March 5, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
03/05/2003						
PUBLIC						
B371 A 000123	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for February 26, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
02/26/2003						
PUBLIC						
B371 A 000124	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	14	Weekly Status Meeting DOE/LRA for March 12, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
03/12/2003						
PUBLIC						

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000125 03/26/2003 23 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for March 26, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Attached is the Resource Conservation and Recovery Act (RCRA) STABLE for Container Storage Units Checklist and an e-mail delivering the Waste Environmental Management System (WEMS) Area Location Request Form and the Vault Container Unit Inspection Log Sheet, Unit 371.1C.
B371 A 000126 04/02/2003 9 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for April 2, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000127 03/12/2003 1 Pages PUBLIC	YES, ROUTINE	N/A	STRAND, DAVID	KRUCHEK, DAVID	Purpose of Contact: Discusses the Under Building Contaminant (UBC) of Buildings 371 and 374 soil condition after coring through the floor slabs.
B371 A 000128 03/12/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	GERDEMAN, FRED	ONYSKIW, DENISE M.	Purpose of Contact: Discusses the status of claimed completions on Decommissioning PWAs for the Building 371 Project.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000129 04/09/2003 13 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for April 9, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000130 04/03/2003 2 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	HINDMAN, JAMES	Purpose of Contact: Discusses the management and the disposition of the sludge in the Building 374 tanks to include Treatability Study (TS), treatment in containers for metals using SP-400 WaterWork Crystals. Discusses the packaging of wastewater sludge from different tanks in the same waste container and provides the appropriate notification.
B371 A 000131 04/16/2003 14 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for April 16, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Includes a contact record regarding decommissioning PWA review and Project Building 371 Predetermined Work Activities Matrix.
B371 A 000132 04/23/2003 10 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for April 23, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Includes a Contact Record that discusses the walkdown completion Rocky Flats Cleanup Agreement (RFCA) PWA, which includes high cost of dismantlement, dated April 10, 2003.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000133 04/30/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for April 30, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000134 05/14/2003 18 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 14, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000135 05/28/2003 7 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 28, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000136 05/21/2003 1 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	HINDMAN, JAMES	Contact Record: Discusses the approval of the removal of a berm between Rooms 3801 and 3810 in Building 374. The Colorado Department of Public Health and Environment (CDPHE) concurred with removing the berm to improve the safety of moving 300- pound sludge crates.
B371 A 000137 06/04/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for June 4, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000138 06/11/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA for June 11, 2003
B371 A 000139 06/17/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting, June 17, 2003.
B371 A 000140 06/25/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for June 25, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000141 07/09/2003 7 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 9, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000142 07/15/2003 1 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	HINDMAN, JAMES	Purpose of Contact: Discusses the approval to install a door in the wall/berm of Room 2804 in Building 374.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000143 09/16/1999 3 Pages PUBLIC	YES, ROUTINE	SMN-119-99	NESTA, STEVE	FLOERKE, JIM	Discusses the National Environmental Policy Act (NEPA) Determination to deactivate the Building 371 Cluster. This project is designed to remove equipment, materials and waste and perform other minor activities to place the facilities in a safe condition, pending decommissioning activities.
B371 A 000144 10/25/1999 6 Pages PUBLIC	YES, ROUTINE	SMN-132-99	NESTA, STEVE	JENNINGS, MIKE	Discusses and encloses the National Environmental Policy Act (NEPA) Determination for the Building 374 Acid Neutralization Project. This will include repair of the present neutralizer for the current stockpile of acids and additional acids that will be generated during Site closure operations.
B371 A 000145 07/23/2003 7 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 23, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000146 07/16/2003 10 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 16, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000147 07/30/2003 17 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for July 30, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items. Consists of Waste Environmental Management System (WEMS) Request Forms and Glovebox Container Storage Unit Inspection Log Sheet.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000148 08/06/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 6, 2003
B371 A 000149 08/13/2003 6 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 13, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items
B371 A 000150 08/20/2003 6 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 20, 2003; Building 371/374 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.
B371 A 000151 08/27/2003 6 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Subject: Building 371 Weekly Status Meeting DOE/LRA, August 27, 2003
B371 A 000152 09/10/2003 6 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Building 371 Weekly Status Meeting DOE/LRA, September 10, 2003.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000153 10/01/2003 15 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Building 371 Weekly Status Meeting DOE/LRA, October 1, 2003
B371 A 000154 09/24/2003 11 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Building 371 Weekly Status Meeting DOE/LRA, September 24, 2003
B371 A 000155 10/08/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Building 371 Weekly Status Meeting DOE/LRA, October 8, 2003
B371 A 000156 10/15/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA, October 15, 2003
B371 A 000157 10/06/2003 1 Pages PUBLIC	YES, ROUTINE	000954-RF-03	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials and Waste Management Division has reviewed the Closeout Report for Building 334, dated October 6, 2003, and appreciates being provided this information. Based on discussion the State would appreciate being provided a revised Closeout Report for B334 addressing enclosed concerns.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000158 10/22/2003 20 Pages PUBLIC	YES, ROUTINE	NA	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA, October 22, 2003
B371 A 000159 10/29/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA, October 29, 2003.
B371 A 000160 11/05/2003 2 Pages PUBLIC	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	ROBERTS, SARAH ONYSKIW, DENISE M.	Purpose of Contact: As part of the consultative process, the demolition of Rooms 220 and 320 of Building 774 was discussed with Colorado Department of Public Health and Environment (CDPHE). The exterior of the south wall of Room 220 is common to the underground radioactive waste storage tanks that were remediated in October for this year. Because hydrolazing this wall could introduce additional radioactive contamination into the surrounding soil, Room 220 will be demolished and dispositioned as radioactive waste. Room 320, which is located directly above Room 220 andFR-203 (located in Room 320) will be also demolished and dispositioned as radioactive waste.
B371 A 000161 09/17/2003 6 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	DISTRIBUTION	Weekly Status Meeting DOE/LRA for September 17, 2003; Building 371 Closure Project: The agenda consists of Decontamination and Decommissioning (D&D), D&D Waste, Construction/Maintenance, PuSPS, Authorization Basis/ Basis For Interim Operations (BIO) and Environmental & Action Items.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000162 11/05/2003 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA, November 5, 2003
B371 A 000163 11/12/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA, November 12, 2003
B371 A 000164 11/19/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Closure Project Weekly Status Meeting DOE/LRA for November 19, 2003
B371 A 000165 12/03/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA for December 3, 2003
B371 A 000166 12/10/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Satus Meeting DOE/LRA for December 10, 2003

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000167 12/17/2003 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for December 17, 2003
B371 A 000168 12/16/2003 2 Pages PUBLIC	YES, ROUTINE	01118-RF-03	GUNDERSON, STEVE	LEGARE, JOSEPH A.	Following are the comments from the Colorado Department of Public Health and Environment (CDPHE) on the Building 371 Closure Project Decommissioning Operations Plan (DOP) Modification 4 dated December 12, 2003.
B371 A 000169 01/07/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 7, 2004.
B371 A 000170 01/14/2003 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 14, 2004.
B371 A 000171 01/21/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	NOT INDICATED	Weekly Status Meeting DOE/LRA for January 21, 2004.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000172 01/28/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for January 28, 2004.
B371 A 000173 02/04/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for February 4, 2004.
B371 A 000174 11/18/2003 89 Pages PUBLIC	YES, ROUTINE	N/A	NOT INDICATED	NOT INDICATED	Building 371/374 Closure Project Decommissioning Operations Plan, Revision 1, Modification 4, November 18, 2003. This revision of the B371/374 Closure Project DOP provides an alternative decommissioning strategy, which substantially reduces the person-hours required to prepare the facility for demolition. The original scope of the project is recorded in the Administrative Record as Building 371/374 Closure Project Decommissioning Operations Plan, Revision 0, March 26, 2001.
B371 A 000175 01/22/2004 10 Pages PUBLIC	YES, ROUTINE	Ref: B371-A-000174	NELSON, AL	DISTRIBUTION FOSS, DYAN	City of Westminster comments regarding the Building 371/374 Decommissioning Operations Plan (DOP), Revision 1 Modification 4, dated November 18, 2003.
B371 A 000176 01/20/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	ABELSON, DAVID M.	DISTRIBUTION FOSS, DYAN	Rocky Flats Coalition of Local Governments (RFCLG) comments regarding the Building 371/374 Closure Project Decommissioning Operations Plan, Revision 1, Modification 4, December 12, 2003 (DOP modification).

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000177 12/21/2003 8 Pages PUBLIC	YES, ROUTINE	N/A	BROWN, DORIAN	DISTRIBUTION FOSS, DYAN	City and County of Broomfield comments regarding the Building 371/374 Closure Project Decommissioning Operations Plan (DOP) Revision 1, Modificaton 4, dated December 12, 2003.
B371 A 000178 02/11/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE) Lead Regulatory Agency (LRA) DOE/LRA for February 11, 2004.
B371 A 000179 02/18/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE) Lead Regulatory Agency (LRA) for February 18, 2004.
B371 A 000180 02/25/2004 7 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting for February 25, 2004
B371 A 000181 03/03/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	B371 Weekly Status Meeting DOE/LRA for March 3, 2004

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000182 03/10/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE/ LRA) Lead Regulatory Agency (LRA) for March 10, 2004.
B371 A 000183 03/17/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE) Lead Regulatory Agency (LRA) for March 17, 2004.
B371 A 000184 02/18/2004 1 Pages PUBLIC	YES, ROUTINE	N/A	LEITNER, RANDY M. MCNITT, STEVE WARD, DAVID	ONYSKIW, DENISE M.	Purpose of Contact: Building 371/374 met with Colorado Department of Public Health and Environment (CDPHE) to discuss Removal and Disposition of the Building 374 Spray Dryer (W803), Room 4812 penthouse, and the associated equipment that is located outside the northeast corner of Building 374. This room contains a spray dryer and misc. other equipment.
B371 A 000185 03/24/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE) Lead Regulatory Agency (LRA) for March 24, 2004.
B371 A 000186 03/23/2004 1 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04	GIBBS, FRANK E.	MORGAN, GARY	Forward/submits: Attached [000187] is the Closeout Report for the Type 1 Facilities T371A, T371C, T371D, T371E, T371F. Please note that a copy of these have been submitted to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) by Kaiser-Hill Company, L.L.C. (K-H)

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000187 03/23/2004 4 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04; [000186]	NOT INDICATED	DISTRIBUTION	Type 1 Facility Closeout Report for Trailer T371A, which has historically been used as a general office trailer. Trailer T371A was originally located north of Building 771 and was relocated in the early 1980's to support the 371 project. Trailer T371A never housed any hazardous or radiological operations.
B371 A 000188 03/23/2004 5 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04; [000186]	NOT INDICATED	DISTRIBUTION	Attached; [000186]. Type 1 Facility Closeout Report for T371C. Trailer T371C has historically been used as a general office trailer. This trailer was originally installed at current location to support the 371 project. Trailer T371C never housed any hazardous or radiological operations.
B371 A 000189 03/23/2004 4 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04; [000186]	NOT INDICATED	NOT INDICATED	Attached; [000186]. Type 1 Facility Closeoout Report for T371D. Trailer T371D has historically been used as a general office trailer. Trailer T371D was originally installed at its current location to support the 371 project. Trailer never housed any hazardous or radiological operations.
B371 A 000190 03/23/2004 5 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04; [000186]	NOT INDICATED	DISTRIBUTION	Attached; [000186]. Type 1 Facility Closeout Report for T371E. Trailer T371E has historically been used as a restroom. Trailer T371E was originally installed at its current location to support the 371 project trailer location in the general area. Trailer T371E never housed as any hazardous or radiological operations.
B371 A 000191 03/23/2004 4 Pages PUBLIC	YES, ROUTINE	04-RF-00338; FEG-010-04; [000186]			Attached; [000186]. Type 1 Facility Closeout Report for T371F. Trailer has historically been used as a general office trailer. This trailer was original installed at its current location to support the 371 project. Trailer T371F never housed any hazardous or radiological operations.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000192 03/31/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting US Department of Energy (DOE/LRA), March 31, 2004
B371 A 000193 04/07/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE), Lead Regulatory Agency (LRA), for April 7, 2004.
B371 A 000194 04/21/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency April 21, 2004.
B371 A 000195 04/28/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE) Lead Regulatory Agency (LRA) for April 28, 2004.
B371 A 000196 04/14/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE), Lead Regulatory Agency (LRA), for April 14, 2004.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000197 03/31/2004 1 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ONYSKIW, DENISE M.	Purpose of Contact: Notification that the 371/374 Project are planning to remove the Continuous Air Monitor (CAMs) from the effluent stacks of Buildings 371 and 374. There is no regulator driver for CAMs in the effluent stacks.
B371 A 000198 05/05/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 5, 2004
B371 A 000199 05/12/2004 5 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for May 12, 2004
B371 A 000200 05/11/2004 1 Pages PUBLIC	YES, ROUTINE	00225-RF-04	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Waste Management Division has reviewed the Closeout Reports for Trailers T371A, T371C, T371D, T371E, and T371F, dated March 31, 2004, and received on April 5, 2004.
B371 A 000201 05/27/2004 1 Pages PUBLIC	YES, ROUTINE	04-DOE-00394; 00241-RF-04; [000202]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards/submits: The attached [000202] - The purpose of this letter is to transmit the Building 371/374 Decommissioning Operations Plan (DOP), Revision 1, Modification 4, for Colorado Department of Public Health and Environment (CDPHE) approval. Also enclosed is a copy of the DOP identifying the changes made to the DOP issued for public comment on December 12, 2003. The changes reflect the Rocky Flats Environmental Technology Site (RFETS/Site) to the public comments.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000202 05/27/2004 86 Pages PUBLIC	YES, ROUTINE	04-DOE-00394; 00241-RF-04	LEGARE, JOSEPH A.	GUNDERSON, STEVE	This revision of the Building 371/374 Closure Project Decommissioning Operations Plan (DOP) Revision 1, Modification 4, provides an alternative decommissioning strategy, which substantially reduces the person-hours required to prepare the facility for demolition.
B371 A 000203 05/27/2004 1 Pages PUBLIC	YES, ROUTINE	00242-RF-04	GUNDERSON, STEVE ONYSKIW, DENISE M.	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Material, and Waste Management Division (the Division), has reviewed the proposed major modification to the Building 371/374 Closure project Decommissioning Operations Plan (DOP), Revision 1, Modification 4 dated May 27, 2004. The Division hereby approves the minor modification to the Building 371/374 DOP.
B371 A 000204 06/02/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for June 2, 2004.
B371 A 000205 06/09/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for June 9, 2004.
B371 A 000206 06/16/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for June 16, 2004.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000207 06/23/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy (DOE/LAR) Lead Regulatory Agency for June 23, 2004.
B371 A 000208 06/30/2004 4 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for June 30, 2004.
B371 A 000209 06/09/2004 1 Pages PUBLIC	YES, ROUTINE	N/A	PRIMROSE, ANNETTE L.	KRUCHEK, DAVID	Purpose of Contact: Removal of Sanitary Sewer West of Building 371. A portion of the Sanitary Sewer line that connected Building 116 to the 371 Trailers will be removed because the dirt in this area will be used as backfill at other site locations, and it is anticipated that the sewer line will no longer be 3 feet or more below grade. The associated manholes and cleanouts will be removed at the same time to ensure that all remaining structures are greater than 3 feet below grade at final grade.
B371 A 000210 06/16/2004 2 Pages PUBLIC	YES, ROUTINE	N/A	LAVORATO, KAREN	HINDMAN, JAMES	Purpose of Contact: Building 374 Intermodal Repack Activity. Waste Operations (WO) needs to blend and/or divide Building 374 Low-Level Mixed (LLM) sludge packaged in five intermodals to distribute the fissile content.
B371 A 000211 06/23/2004 2 Pages PUBLIC	YES, ROUTINE	N/A	LEITNER, RANDY M.	ONYSKIW, DENISE M.	Purpose of Contact: Discuss proposed wall penetration in Building 374 to facilitate tank removal. Kaiser-Hill contacted Colorado Department of Public Health and Environment (CDPHE) to discuss recent propose changes in decommissioning and preliminary demolition plans for Building 374 portion of the 371/374 project.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000212 06/23/2004 1 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	HINDMAN, JAMES	Purpose of Contact: Administrative Closure of tank D879 and heat exchanger E810. Contact Record dates October 17, 2003 administratively close tanks D827, D830, D832, and D834 because the only water passing through these tanks was the product water from the evaporators and was going to the cooling tower or steam plant.
B371 A 000213 07/13/2004 1 Pages PUBLIC	YES, ROUTINE	N/A	LEITNER, RANDY M.	ONYSKIW, DENISE M.	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) was contacted to discuss the proposed demolition of Building 374A Carpenter Shop. This structure has been characterized as Type 1 facility as indicated in the B371/374 Decommissioning Operations Plan (DOP). Confirmatory surveys were completed on June 28, 2004, and are documented in Survey Unit 37418. The surveys confirmed that the structure meets the unrestricted release criteria.
B371 A 000214 07/28/2004 3 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy/ Lead Regulatory Agency (DOE/LRA).
B371 A 000215 07/14/2004 3 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy/ Lead Regulatory Agency DOE/LRA for July 14, 2004.
B371 A 000216 07/21/2004 6 Pages PUBLIC	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Subject: Weekly Status Meeting US Department of Energy/ Lead Regulatory Agency DOE/LRA for July 21, 2004.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000217 08/11/2004 6 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 11, 2004
B371 A 000218 08/04/2004 4 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Weekly Status Meeting DOE/LRA for August 4, 2004
B371 A 000219 08/18/2004 4 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Weekly Status Meeting US Department of Energy Lead Regulatory Agency (DOE/LRA) for August 18, 2004
B371 A 000220 09/01/2004 6 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for September 1, 2004.
B371 A 000221 09/08/2004 3 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for September 8, 2004.

3.1 Project Milestones

Significant decommissioning milestones and their actual completion are listed in Table 3-1.

Table 3-1. Project Milestones and Completion Dates

MILESTONE	DATE COMPLETED
Nuclear Operations complete	July 31, 2003
SNM Removal	September 30, 2003
Final Glovebox Stripout	November 11, 2004
Last TRU Waste Generated	November 17, 2004
Set completion	December 12, 2004
CSV Equipment and Rack Removal	December 23, 2004
Operations Clean	January 18, 2005
CSV Floor and Wall Decontamination	March 18, 2005
Area completion	May 13, 2005

4.0 Characterization

Facilities within the 371 Closure Project were characterized in four phases: Scoping characterization, Reconnaissance Level Characterization (RLC), in-process characterization, and a pre-demolition characterization survey. Scoping characterization involved collecting documents and interviewing former employees to prepare for the RLC effort. Facilities and tanks were typed during scoping characterization.

Characterization activities were conducted in accordance with the RFETS Decontamination & Decommissioning Characterization Protocol (DDCP), which contains the in-process and RFETS Reconnaissance Level Characterization Plan (RLCP), and the Site-Wide Pre-demolition Survey Plan. Some scoping characterization activities were performed prior to the establishment of these documents.

4.1 Reconnaissance Level Characterization

The purpose of the RLC was to provide an assessment of the contamination, hazards, and other conditions present in the facilities and their systems. Data were compiled and incorporated into detailed work planning packages to ensure safe work execution. Existing records and documents were collected and current and former Building 371 employees were interviewed to determine

the radiological, chemical, and physical conditions of the facilities. The results of RLC efforts are contained in the Reconnaissance Level Characterization Reports (RLCRs). Table 4-1 contains a summary of the RLC documentation with AR numbers.

Table 4-1. 371 Closure Project Reconnaissance Level Characterization Documentation

Document	Date	AR Document Number
RLCR for Building 371/374 Cluster Rev. 0	8/28/00	B371 A 000008
RLCR Revision 1, Building 371/374 Cluster approval	1/31/01	B371 A 000016
RLCR PDSR, 371 North Side Demolition Project, Revision 1	10/12/01	B3371 A 000055

4.2 In-Process Characterization and Pre-demolition Surveys

Additional characterization was conducted during decommissioning activities as components were removed and building surfaces exposed. This type of characterization is referred to as in-process characterization. Data from in-process characterization was used to identify additional hazards; refine approaches to component removal, size reduction, and decontamination; revise waste volume estimates; and modify environmental, safety and health controls as necessary. In-process characterization activities are documented in the work control documents used to plan and perform work.

Pre-demolition surveys, considered in-process characterization in the DOP, were conducted to verify that decontamination activities were sufficient to meet applicable release criteria, and proceed with demolition activities. Pre-demolition surveys are discussed in detail in section 6.2.

5.0 Component Removal Activities

Building 371 dismantlement activities included disassembly, size reduction or decontamination, and removal of all components including gloveboxes and interior glovebox equipment, tanks, process piping, hoods, ventilation equipment, filter plenums, ducts, conduit, utilities, other miscellaneous equipment, and non-structural walls.

The following is a summary of major components that were removed from Buildings 371 and 374:

- 427 gloveboxes. The stainless steel enclosures were up to 60 feet long and 11 feet tall. Several had in excess of 1,000 square feet of surface area.
- 375 tanks.
- Tens of thousands of feet of utilities piping and ducts. Ducts measured up to three feet in diameter.
- 28 filter plenums and supply air units

- 1,428 racks removed from the Central Storage Vault

Generally, execution of a dismantlement set proceeded as follows:

- Work package prerequisites were completed
- Work area and equipment were isolated
- Gloveboxes were returned to service
- Internal glovebox equipment was removed
- Utilities and external equipment were removed
- Internal surfaces of gloveboxes/tanks were decontaminated
- Surveys were taken to determine if components met Low Level Waste (LLW) criteria
- Fixatives were applied to internal surfaces
- Glovebox was removed from ventilation
- A soft-sided containment tent was erected, if necessary
- Structural supports were removed and equipment was separated
- Equipment was transported to size-reduction enclosure, if necessary
- Equipment was size-reduced and packaged as waste

5.1 Size-Reduction and Component Decontamination

Some gloveboxes, tanks, and other equipment had to be size-reduced in order to fit into a Standard Waste Box (SWB), the waste container specified by the Waste Isolation Pilot Project (WIPP) for Transuranic (TRU) waste disposal.

The desire to avoid hazards that resulted from size-reduction led to the development of revised decontamination and characterization methods which allowed some B371 equipment to be shipped as Surface Contaminated Objects (SCOs) in larger LLW containers. Once decontamination procedures were developed, attempts were made to decontaminate nearly all equipment. Several decontamination agents were tested. Cerium nitrate, a water soluble acid, was selected as the preferred decontamination solution. It was liberally applied to interior tank and glovebox surfaces in a process that transferred removable contamination to wipes, which were disposed as TRU waste. Following neutralization and surveys, the process was repeated if necessary, and if decontamination was successful, surfaces were fixed and the component was disposed as LLW. Some equipment ultimately was too contaminated to be decontaminated to SCO, but decontamination techniques significantly reduced worker exposure to the hazards of size-reduction and the volume of TRU waste generated by the project.

Even after SCO methods were developed, some tanks and gloveboxes that were either too contaminated to achieve SCO criteria or too large to be relocated to one of the size-reduction enclosures were size-reduced in place.

5.2 Heating, Ventilation and Air Conditioning Systems

The Building 371/374 utilities for heating, ventilating, and air conditioning (HVAC) contained nine HVAC Systems. These systems were designed to provide the following capabilities: furnish air conditioning for personnel; provide air suitable for process operations; provide confinement for Pu within the controlled areas; prevent the dispersion of hazardous fumes and vapors; prevent the release of radioactive aerosols from the building; and control the release of noxious fumes and vapors from the building.

The ventilation systems provided five zones of different relative pressures as appropriate to provide assurance that contamination would not migrate to less contaminated areas. The zones were as follows: Zone I (and Zone IA) provided the ventilation for the primary confinement where highly radioactive material was handled. Zone I was maintained at the lowest pressure or greatest differential pressure, for GBs, canyons, and conveyor enclosures. Zone II provided the ventilation supply and exhaust for the secondary confinement in the building by establishing an intermediate differential pressure and ensuring filtration of air, which was normally recirculated within the facility. Zone II included any areas containing Zone I or IA equipment. Zone III provided ventilation for the tertiary confinement in the building. Normally, Zone III areas were not contaminated and their exhaust recirculated. Zone IV provided ventilation for office areas and other uncontaminated areas.

As decontamination and component removal progressed, Zones I, IA, II and III were shut down sequentially as the sources of potential contamination were removed. Zone IV HVAC services for offices areas were removed as those facilities were removed independently of the sequence for the other four zones.

5.3 Component Removal Documentation

Table 5-4 summarizes AR documentation, in document number order, that supports component removal. Included is DOP approval documentation contained in the AR. Note that dismantlement set completion reports are not included in the AR.

Table 5-4. 371 Closure Project Component Removal Documentation

Document	Date	AR Document Number
Notification to LRA of Sets 4 & 14 completion	7/2/03	B371 A 000306
Notification to LRA of Set 35 completion	8/6/03	B371 A 000304
Notification to LRA of Sets 1 and 2 completion	9/17/03	B371 A 000303
Notification to LRA of Set 13 completion	10/1/03	B371 A 000302
Notification to LRA of Sets 21 & 56 completion	11/5/03	B371 A 000307
Notification to LRA of Set 8, 16 and 39 completion	1/7/04	B371 A 000301
Notification to LRA of Set 26 and 57 completion	4/7/04	B371 A 000300
Notification to LRA of Set 23 and 51 completion	5/25/04	B371 A 000299

Document	Date	AR Document Number
Notification to LRA of Set 12 completion	6/9/04	B371 A 000298
Notification to LRA of Set 46 completion	6/30/04	B371 A 000297
Notification to LRA of Set 18 and 58 completion	7/14/04	B371 A 000296
Notification to LRA of Set 29 completion	8/4/04	B371 A 000295
Notification to LRA of Sets 17, 22, 41 and 50 completion	10/6/04	B371 A 000294
Notification to LRA of Sets 19 and 40 completion	11/3/04	B371 A 000293
Notification to LRA of Sets 6 and 10 completion	12/1/04	B371 A 000292
B371/374 Closure Project DOP Rev.2, Mod. 5	12/16/04	B371 A 000247
Notification to LRA of Sets 9, 38, 52 and AN dismantlement completion	1/12/05	B371 A 000291

6.0 Structural Decontamination and Pre-demolition Surveys

Structural decontamination activities were performed following dismantlement to remove contamination from interior walls, floors, ceilings, and beams. Most decontamination activities in Buildings 371 and 374 were performed with dry scabbling equipment.

Before decontamination began, several hundred media samples were taken during the RLC to determine the extent of decontamination activities that would be required. The approach to this characterization effort is consistent with the Pre-Demolition Survey Plan (MAN-127-PDSP). Samples analyzed contaminants in both the paint and the concrete surfaces beneath paint. The samples confirmed that many of the surfaces in the process areas of both buildings would require decontamination.

Because of the difficulty and hazards associated with decontaminating facilities of this nature, the project and the LRAs developed modification 5 to the DOP, which allowed portions of the facilities to be dispositioned in accordance with the framework for contaminated soil. In addition, the modification replaced the use of explosives with conventional demolition techniques. Although modification 5 was considered a "minor" modification, the public was notified and consulted on the proposed changes. Per modification 5 to the DOP, decontamination activities were conducted according to the following criteria:

- The slab and structure from 0 to minus 6 feet of final proposed grade were decontaminated to the URC or removed, and all structure from 0 to minus 3 feet of final proposed grade was removed
- The slab and structure below minus 6 feet of final proposed grade were decontaminated to ensure that they did not exceed 100 nCi/g on the surface and 7 nCi/g volumetrically; and they were encapsulated to ensure that removable contamination did not exceed URC

- Concrete beneath minus 6 feet of final proposed grade that could not be decontaminated to 100 nCi/g and 7 nCi/g was removed prior to demolition

6.1 Shaving

Following removal of all equipment and gloveboxes from Building 371, floors were surveyed, and the majority of process room floors were decontaminated using a dry shaving technique. The rotary drum shavers were equipped with a vacuum system connected to HEPA filter units. This technique removed the paint and the top layer of concrete from the floors. Several passes were made with the shaver in some areas, depending on the thickness of paint and the residual contamination measured after the first pass. In addition to the process area floors, the following were also shaved:

- In the sub-basement, the CSV floor and walls up to 6' above the sub-basement were shaved.
- On the main floor, all of the interior surfaces (floors, walls and ceiling) of the canyons (rooms 3337, 3327, 3329, 3331, 3325, 3333, 3549, 3547, 3551, 3553, 3555, 3559, and 3563) were shaved.
- In the attic, an approximate 50' x 40' area of the floor was shaved.

Following completion of decontamination and removal efforts, final surveys were completed in accordance with the project specific radiological characterization plan

6.2 Pre-demolition Surveys

Pre-demolition surveys were conducted in accordance with the PDSP, DOE Order 5400.5, "Radiation Protection of the Public and the Environment" and the Multi-Agency Radiation Site Survey Investigation Manual (MARSSIM).

Pre-demolition surveys provided the data necessary for the DOE and LRA to authorize demolition. They also specifically demonstrated or identified:

- sections of concrete beneath minus six feet of final proposed grade that met 100 nCi/g (surface) and 7 nCi/g (volumetric). These sections were left in place.
- no sections of remaining structure contained in excess of 20 dpm/100 cm^2 removable contamination

After workers thoroughly decontaminated an area, 100 percent surveys of all areas were performed. Areas that did not meet applicable release criteria were identified and further decontamination was performed. Areas above minus six feet were clearly identified, removed during demolition and packaged as LLW.

6.2.1 Areas Above Minus Six Feet of Final Proposed Grade

Decommissioning areas above minus six feet were subdivided into survey units based on contamination potential as described in section 3.0 of the PDSP. Using the guidance provided in

MARSSIM, survey units were classified according to expected levels of contamination. The following defines each class and the minimum surface survey coverage:

Class 1: Areas that are known to be contaminated, 100% of accessible surfaces
Class 2: Areas that had potential to be contaminated, 10 to 100% of floors and lower walls; 10 to 50% of upper walls and ceilings
Class 3: Areas not expected to contain any contamination or a very small amount of residual contamination; Biased, 1 to 10% of total surface area

All process areas in Buildings 371 and 374 were considered Class 1 survey units. Small survey units such as stairwells in the process areas and offices were Class 2, and outbuildings were Class 3. Surfaces were surveyed with alpha-direct probes.

Total surface activity and removable surface activity measurements were collected from 100 percent of all surfaces in process areas. Complete survey results by measurement location are included in each decommissioning area's PDSR. No area had removable contamination in excess of the URC. Concrete that met URC was processed for fill after demolition. Sections of the structure that did not meet URC were painted with a bright colored fixative, removed during demolition and packaged as LLW. All of Phase IV and V structures above six feet below final grade were demolished and removed as LLW.

6.2.2 Areas Beneath Minus Six Feet of Final Proposed Grade

A 100 percent survey of the slab beneath minus six feet of final proposed grade was performed with sodium iodide (Fidler) detectors. Survey data collected by the Fidlers was used to confirm that areas did not exceed the DOP action level of 100 nCi/g for surface contamination. Areas that exceeded the action level were re-surveyed, remediated, and if necessary, removed.

An additional in-situ verification effort was performed to verify with 95 percent confidence that remaining activity was less than 7 nCi/g averaged over the entire slab volume. In-situ sampling was performed at random locations with gamma spectroscopy equipment. The in-situ gamma effort is discussed in 7.3.2, and survey results are contained in Attachments D.

Smear samples were collected from random locations throughout remaining areas to confirm no removable contamination in excess of the URC (20 dpm/100cm^2) remained. The PDSR contains the random in-situ measurement results for each area along with drawings that depict the sections of concrete that remained.

The project's approach to verify that remaining activity met DOP requirements was very conservative for several reasons. All activity detected by the sodium iodide detectors was considered weapons grade plutonium (WGPu). No adjustments to calculations were made for background radiation. Survey activity resulting from the minimum detection limit of the sodium iodide detectors was considered WGPu. Any area that was not contaminated was considered contaminated to the level of the Fidler's minimum detection limit. Finally, sodium iodide detectors are capable of detecting radiation from sources deep within concrete. When converting

Fidler survey results to volumetric data, the project conservatively spread activity from the entire matrix of slab over just 1/16 of an inch.

6.2.3 Chemical Constituents

Asbestos had previously been removed from all areas during dismantlement activities. Beryllium smear samples, the number of which depended on whether the survey unit was a Beryllium controlled area, were collected per the PDSP. RCRA/CERCLA hazardous constituents, including lead, were removed during decontamination, and all units met the clean closure decontamination criteria per section 6.0 of the DOP. Polychlorinated Biphenyls (PCBs) were also verified removed following decontamination activities.

6.2.4 Independent Verification of Surveys

The Oak Ridge Institute for Science and Education (ORISE) conducted an independent verification of Buildings 371 and 374 before DOE and the LRA authorized demolition. Phase II and III of Building 371 were subject to Type A verification per the Independent Verification Team Project Specific Plan for the Building 371/374 Closure Project and the task statement of work. Type A verification consists of validation of the project's pre-demolition survey data with possible confirmatory scans. Phase I and IV/V of Building 371/374 were subject to Type B verification, which consisted of a complete independent survey and sampling effort. Like the project's pre-demolition surveys, ORISE's Type B surveys were conducted according to the applicable release criteria for sections above and beneath minus six feet of final proposed grade. Following the ORISE Type B surveys and recommended follow-up actions, the DOE and the LRA authorized demolition of the facilities.

The final Building 371/374 ORISE report will be included in the AR, but as of this writing the final report had not been delivered.

6.2.5 Pre-demolition Survey Documentation

Table 6-2 summarizes the PDSRs and other pre-demolition survey documentation:

Table 6-2. 371 Closure Project Pre-demolition Survey Documentation

Document	Date	AR Document Number
Contact Record – Demolition of Building 374A (Carpenter Shop)	7/13/04	B371 A 000213
PDSR East Dock/Bldg. 374 Exterior Approval	11/2/04	B371 A 000243
Phase I PDSR Approval	1/26/05	B371 A 000249
Phase II PDSR Approval	3/9/05	B371 A 000262
Sub-basement Backfill Approval	3/24/05	B371 A 000266

Document	Date	AR Document Number
Phase III PDSR Approval	4/12/05	B371 A 000268
Final Status Survey Report for Phases IV/V Approval	5/13/05	B371 A 000272

7.0 Demolition

7.1 Demolition Preparatory Activities

Before demolition began, all slab beneath minus six feet of final proposed grade that did not meet DOP requirements was adequately decontaminated. Significant decontamination was required in the former process areas of the basement and sub-basement. Decontamination was performed using dry scabbling techniques (both floor shavers and hand grinders). In some areas, the removal of several layers of the surface was required in order to meet the DOP criteria. Contaminated concrete sections above minus six feet of final proposed grade, as well as contaminated equipment remained, but was fully removed during controlled demolition and debris removal of the building. Several components and miscellaneous equipment remained in the basements and sub-basement of B371/374. Specifically, plenums, Zone II ductwork, and metal flooring. LRA and DOE approval was obtained prior to beginning any demolition activity. Demolition preparatory activities included: installation of a water collection basin (approximately 1,000,000 gallon capacity) to control runoff of dust suppression water ; erecting barriers around work zones (including an earthen berm around the entire work area); establishing traffic and loading areas; installing railroad tracks and loading areas; and installing erosion controls and air monitoring equipment. All underground utilities were removed and electrical power feeds were terminated.

The water collection basin ultimately collected approximately 400,000 gallons of water that needed to be treated prior to being released. The water was treated using a co-precipitation treatment process to remove radioactive contamination (Am and Pu). The treated water was collected in a 500,000 gallons erected pool, sampled, analyzed, and showing it met stream standards (<0.15 pCi/L Am and Pu) was released to the North Walnut Creek drainage basin. The collection basin liner, sludge, and erected pool liner were all managed as low level waste and shipped via railcar.

7.1.1 Backfill of Areas Prior to Demolition

Following LRA approval of the DOP measurements in the sub-basement of Building 371, and removal of all remaining contaminated components, rubble, and equipment; the entire area was backfilled and compacted, including the CSV. For areas that could not be completely backfilled (e.g., upper walls near the ceilings) openings were cut (over 50) into the basement floor and flowable-fill was pumped into the sub-basement in order to mitigate any voids.

The sub-basement of B371 was completely backfilled with dirt and compacted using heavy equipment running over the area. Once the backfill was completed in the sub-basement, there was still a void between the top of the backfill and the ceiling (floor of the basement). This area

was topped off with Flowable Fill from the basement. Approximately 50 holes measuring 3'X3' were created in the basement and used to direct the Flowable Fill into the sub-basement. The basement was opened up on the east and west ends to allow for easier removal of equipment. Once the basement was prepared for demolition the main floor and attic on the north and south were hammered into the basement while removing the debris and other items such as metal stairs and other debris while progressing through with demolition. The main floor (Admin area) was also the ceiling of the basement which was contaminated and is why the floor was hammered into the basement. Dirt was moved into the open areas as backfill and compacted as work progressed. Toward the end of the demolition the grade beams, left in place for demolition equipment support, were removed to below six feet of grade. This area was backfilled and compacted.

The floor debris and all miscellaneous equipment was removed and dispositioned as low-level waste prior to placement of fill in the basement.

7.2 Demolition Equipment

Tracked excavators equipped with various attachments including hydraulic shears, grapples, processors, concrete pulverizers, and hydraulic demolition rams were used to demolish the structures. Excavators were used to load waste into waste containers as were front-end loaders and skid steer uni-loaders, depending on the distance of moves. Concrete pulverizers were used to separate rebar from released concrete and prepare concrete for use as fill. Shears were used to sever metal, structural steel, and other construction materials. Grapples were used for various demolition tasks and materials handling. Demolition rams were used to demolish concrete structures.

7.3 Building 371 and 374 Demolition

Building 371/374 was divided into five phases for demolition purposes (see Attachment E). Phase I consisted of Building 374. The majority of the Building 374 basement was greater than 6' below final grade. As a result, DOP measurements were taken and verified by an independent entity as described in Section 6.2.4 prior to backfill. The vast majority of Building 374 within 6' of final grade was surveyed and dispositioned as "clean" material. Specifically, the concrete debris was used as backfill while the clean metal was dispositioned as sanitary waste. The few contaminated areas within Building 374 were methodically removed, segregated during demolition and ultimately removed as low-level waste. Following the demolition of the facility, the sub-surface drains in this area were disrupted and grouted. The basement was backfilled and compacted in accordance with the DOP compaction requirements.

Phase II consisted of the east support area of Building 371 connected to Building 374, which was also considered the 371 Annex. This area consisted primarily of office areas, control rooms and support areas. As a result, this area was surveyed and ultimately dispositioned as clean concrete rubble fill or sanitary waste.

Phase III consisted of the south support area of Building 371. This area formerly housed the cafeteria, locker rooms, maintenance shop and other support functions. As a result, this area was surveyed and ultimately dispositioned as clean concrete rubble fill or sanitary waste. The floor of Phase III, which was also the ceiling of the basement and thus contaminated and did not meet URC, was left-in-place and ultimately dispositioned as low-level waste during Phase IV demolition.

Phase IV " the hardened structure" consisted of the process areas located in the attic, ground floor, basement, and sub-basement of Building 371 excluding the canyon area. Areas in Phase IV were the main areas for plutonium recovery. Phase V consisted only of the former canyon area. Following the decontamination and equipment strip-out of the Phase IV sub-basement, DOP measurements and radiological surveys were taken. Once the LRA had granted approval, the sub-basement was backfilled. Similarly, DOP measurements and radiological surveys were taken on the basement prior to backfill. The main floor and attic of Phase IV and Phase V was demolished and removed as LLW.

7.3.1 Removal of Contaminated Sections Above Minus Six Feet of Final Proposed Grade

Sections of Buildings 371 and 374 above minus six feet of final proposed grade that did not meet URC were painted with a bright fixative, carefully removed during demolition, and packaged as LLW in inter-modal containers or IP2 containers. Phase IV & V structures of Building 371 above minus six feet of final grade were demolished and removed as LLW in railcars.

7.3.2 Sections Beneath Minus Six Feet of Final Proposed Grade

Sections of the Building 371 and 374 slab and structure beneath minus six feet of final proposed grade with levels of remaining contamination above URC that met that met 7nCi/g (volumetric) and 100nCi/g (surface), identified in Attachment D, were left in place. As mentioned in section 6.2.2, in situ verification using gamma spectroscopy was conducted to achieve a confidence level of 95% certainty that anything left in place below minus 6 feet of final proposed grade met these criteria. This step was in accordance with the *Building 371/374 Closure Project Characterization Plan,* December 12, 2004, which describes this process in Section 11.0 of the *Characterization Plan.* The complete results of the gamma spectroscopy are reported in the PDSR, but the summary sheet for each of the areas is included here in Attachment D, which also has a copy of the *Characterization Plan* attached. It is also noted that while the *Characterization Plan* was submitted with the PDSR for Phase II which was approved by CDPHE, PDSR approval did not constitute approval of the *Building 371/374 Closure Project Characterization Plan.*

The values of the remaining contamination total 2.2E8 nCi, and total weight in grams is 2.9E9; leaving approximately 0.076nCi/g throughout the extent of the subsurface areas.

7.3.3 Managing Concrete Removed During Demolition

Concrete removed from sections above minus six feet was either sent off site as low level waste or sanitary waste, or if it was determined to be uncontaminated and met the requirements of the Concrete Recycling RSOP it was processed on site for use as fill. Concrete recycling followed the requirements of the Concrete Recycling RSOP. No recycled concrete was placed within three feet of final grade. Approximately 3046 tons of concrete was recycled into the basement of B374.

7.3.4 Air Monitoring

Comprehensive air monitoring was performed during all Building 371 and 374 demolition activities to ensure particulate emissions were within all applicable plans and regulations. Three separate and independent monitoring efforts collected data from sampling equipment at various locations at the project and around RFETS. The project also deployed lapel-mounted air samplers on a daily basis to collect very close-in readings from workers who operated demolition equipment.

The project deployed four (4) low-volume air samplers at locations very close to Building 371/374 demolition activities inside the work boundary. Samples of airborne radioactivity concentrations were collected on filter media which were analyzed weekly. Samples were analyzed using an alpha spectrometer and results were available in a few hours. The established action level, developed in accordance with the LRA and the DOE radcon manual, was 0.3 DAC. No results in excess of the action level were received from lapel samplers, or any other samplers.

The LRA, in conjunction with the Environmental Protection Agency (EPA) conducted independent environmental monitoring using four (4) low-volume air samplers deployed outside the Building 371 Phase IV/V demolition work zone boundary. Samples were analyzed in a laboratory subcontracted by the LRA. There was no defined action level assigned to the LRA/EPA monitoring. All activity collected from the samples was collected and analyzed; none resulted in any action.

Continuous environmental monitoring was conducted from various locations in accordance with the site Integrated Monitoring Plan (IMP) and site Radioactive Ambient Air Monitoring Program (RAAMP). 25 samplers continuously monitored airborne dispersion of radioactive materials from locations on and off site. Filters from 14 samplers around the perimeter of the buffer zone and at off-site locations were submitted monthly for isotopic analysis. Filters from 11 samplers deployed around the site's industrial zone were counted weekly. All sample media were analyzed and compared to two action levels plus a level at which work would have been suspended. Action level 1, at which controls and sampling methods were reevaluated, corresponded to a potential 1.0mrem dose rate at the sampling location. Action level 2 corresponded to a 5.0mrem dose rate, at which air monitoring personnel would have met with the project to reassess controls, dust control, and other factors. Had sample results exceeding action level 2 indicated that a 10mrem dose rate had occurred, work would have been stopped.

7.3.5 Dust and Run-off Controls

Each demolition activity was carefully analyzed for specific dust suppression needs. Dust control shrouds were used on individual equipment when possible, and demolition activities were suspended during high winds.

Dust suppression water was supplied by fire hydrants, as distributed via the domestic water loop. During demolition activities, typically two to four hoses were deployed to direct water at structure undergoing demolition. The project used different dust suppression control methods depending on need. Most times operators were stationed atop lifts as necessary to best direct the flow of water. Additionally, two Hitachi 800s were outfitted with hard pipe which ran up the sides of the booms to a water head, in order to direct dust suppression water to where the head was operating. The hard pipes ran down the booms to fire hoses which in turn were fed from hydrants. There was also a water fogger that was attached to a boom which allowed for water to be "fogged" as necessary. Water was applied in a controlled manner to avoid excessive run-off. The project controlled run-off by installing temporary diversion berms, silt fencing, and interceptor ditches.

7.3.6 Out-buildings and Tanks

Type 2 tanks were dispositioned as low-level waste. Type 1 facilities, which included: out-buildings and trailers were resurveyed (to verify no contamination was present) and dispositioned as sanitary waste.

7.4 Demolition Documentation

The following table summarizes AR documentation, in document number order, that supports demolition. Since LRA approval of PDSRs was required to begin demolition, ARs documenting their approval were included in both table 7-5 and 6-2.

Table 7-5. 371 Closure Project Demolition Documentation

Document	Date	AR Document Number
Contact Record – Demolition of Building 374A (Carpenter Shop)	7/13/04	B371 A 000213
PDSR East Dock/Bldg. 374 Exterior Approval	11/2/04	B371 A 000243
Contact Record – Building 371/374 Demolition Activities	11/10/04	B371 A 000233
Contact Record – Canyon disposition	12/15/04	B371 A 000251
Phase I PDSR Approval	1/26/05	B371 A 000249
Contact Record – Embedded metal disposition	2/15/05	B371 A 000259

Document	Date	AR Document Number
Contact Record – Demolition of Building 374A (Carpenter Shop)	7/13/04	B371 A 000213
Contact Record – Dock 5 demolition	3/8/05	B371 A 000258
Phase II PDSR Approval	3/9/05	B371 A 000262
Sub-basement Backfill Approval	3/24/05	B371 A 000266
Phase III PDSR Approval	4/12/05	B371 A 000268
Final Status Survey Report for Phases IV/V Approval	5/13/05	B371 A 000272

8.0 Waste Disposition

Table 8-0 describes the actual container volume or mass of the various wastes generated by the project.

Table 8-0. Waste Summary

Category	Sub-Category	Estimated Volume or Mass	Destination
Transuranic (TRU)	TRU – Including Asbestos	2,639 m^3	Waste Isolation Pilot Plan (WIPP)
	TRU Mixed (TRM) – Including Asbestos	868 m^3	WIPP
	TRU/TRM Liquids	0.01 m^3	WIPP
Low-Level (LLW)	Demolition debris as SCO and LSA, bulk product waste	1656.53 m^3	NTS, Envirocare
Low-Level TSCA (LLT)	PCB oils	0.07 m^3	M & EC
Low-Level Mixed (LLM)	RCRA solids, including asbestos	98.21 m^3	Envirocare
Non- Radiological Waste			
Hazardous/ Toxic	RCRA Solids	0.02 m^3	Kettleman Hills, CA
Non-Routine Sanitary	Construction Debris	25863.44 m^3	BFI Foothills Sanitary Landfill
	Asbestos	2473.3 m^3	BFI Foothills Sanitary Landfill
Material for Recycle	Asphalt	2752.2 m^3	BFI Foothills Sanitary Landfill
	Concrete processed for fill	3,046 tons	Basement of B374

9.0 Site Restoration

Site restoration comprises the evaluation and remediation, if necessary, of under building contamination, and the final grading of the building site once all demolition activities have been completed.

9 .1 Under-building Characterization and Remediation

Under-building characterization of the Building 371 and 374 sites was conducted in accordance with the *Final Industrial Area Sampling and Analysis Plan FY03 Addendum #IA-03-01 IHSS Groups 300-3, 300-4, 400-8, 700-4, 800-1 and 900-3*, dated January 2003. The 2003 effort, which collected 188 samples, was primarily used for RLC of hazards and planning for eventual slab removal.

As required by Sampling and Analysis Plan, samples were analyzed for radionuclides, volatile organic compounds, semi-volatile organic compounds, poly-chlorinated biphenyls, metals, petroleum hydrocarbons, cyanide, and nitrates. Based on the results, which are summarized in the *Data Summary Report, IHSS Groups 330-3 and 300-4*, dated August 2003, no remediation of under-building soils was required.

9.2 Final Land Configuration

The total quantity of backfill estimated to achieve final land configuration was approximately 66,850 cubic meters. Attachment F shows the contours of the final grade of the B371/374 area.

9.3 DOP Verification Surveys

Prior to demolition of Buildings 371 and 374, Global Positioning Satellite (GPS) measurements were taken at several locations around the project site. The measurements specified the exact elevation and location of various sections of remaining structure. Following demolition and backfill activities, GPS measurements were again taken to verify backfill placement was correct for sections of remaining structure per the DOP criteria described in section 1.2. No discrepancies in fill placement were revealed by the measurements.

10.0 RCRA Closure Summary

Hazardous and mixed wastes were managed in several areas and systems (units) within Buildings 371 and 374. Several units were included in the RFETS Hazardous Waste Permit, and some units such as mixed residue and interim status tanks and gloveboxes were not permitted. These units were closed during component removal activities. Permitted units included container storage areas, gloveboxes, storage tanks and treatment processes. Prior to initiating demolition activities, all former hazardous waste units were closed. Closure activities were conducted using removal or decontamination methods in accordance with DOP requirements, which also satisfy closure requires described in Part X of the RFETS Hazardous Waste Permit.

Table 10-1 identifies the former permitted and interim status hazardous waste management units in Building 371/374

Table 10-1 Hazardous Waste Units

Unit #	Description	Closure Method
374.1	Container Storage, Rms. 3809 and 3810	Decontamination
374.1	Container Storage, Rm. 3813	Decontamination
374.3A	Waste Receiving & Neutralization Process, Rm. 2804: Tanks D-802 A (42.04), D-802 B (42.05), D-802 C (42.06), D804 A (42.50), D804 B (42.51), D-804 C (42.52), D-804 D (42.53), D-811 A (42.54), D-811 B (42.55), D-852 (42.69), D-875 (42.70), D-847, and D-851	Unit Removal
374.3A	Acid Waste Neutralization Process, Rms. 3801, 2804, and 3805: Tanks D-843 (42.74), D-806 (42.73), D-807 A (42.71), D-807 B (42.72), D-808 (42.75), and D-942	Unit Removal
374.3A	Precipitation Process, Rm. 3801: D-813 (42.57), D-814 (42.58), D-815 (42.59), D-816 (42.60), D-817 (42.61), D-818 (42.62), D-819 (42.63), D-820 (42.64), D-821 (42.65), D-822 (42.66), D-823 (42.67), D-826 A (42.07), D-826 B (42.08), and Polishing Filter FL-831 (42.68).	Unit Removal
374.3A	D-830 (42.11), D-832 (42.12), D-834 (42.13), D-876(42.16),	Unit Removal
374.3A	Evaporation Process, Rms. 3810, 4814, and outside B374: Tanks D-827 (42.10), D-879 (42.18), T-802 (42.19), T-803 (42.20), T-804 (42.21), and T-805 (42.22)	Unit Removal
374.3A	Spray Dryer & Saltcrete Process, Rms. 2804, 3801, 3809, 4802, 4812: Tanks D-801 A (42.01), D-801 B (42.02), D-801 C (42.03), D-826 C (42.09), D-878 (42.17), D-883 A (42.27), D-883 B (42.28), D-884 (42.29); Spray Chamber W-803 (42.25); and Spray Dryer Bag house FL-803 (42.26)	Unit Removal
374.3A	Vacuum Filter & Sludge Solidification Process, Rms. 2804, 4805, and 4807: Tanks D-812 (42.56), D-824 A (42.76), D-824 B (42.77), D-825 A (42.81), D-825 B (42.82), D-844 A (42.84), D-844 B (42.85), and D-848 (42.83); Drum Filter Basins FL-802 A (42.78) and FL-802 B (42.79); Sludge Dryer W-801 (42.80); Dry Sludge Hopper H-3; and Dry Sludge Conveyors CV-813A/B	Unit Removal

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000222 09/15/2004 3 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for September 15, 2004.
B371 A 000223 08/31/2004 2 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	AINSCOUGH, HARLAN	Purpose of Contact: Obtain RCRA stable approval for certain tanks in Building 374. Tanks D-801A, D-847, D-851, and D852 are currently included in the Rocky Flats Environmental Technology Site RCRA Permit as RCRA Unit 374.3. The following RCRA stable conditions established as Permit Condition X.C.1.a.iii, Tank systems, currently exist for these tanks.
B371 A 000224 09/29/2004 2 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY LEITNER, RANDY M. MCNITT, STEVE	ONYSKIW, DENISE M.	Purpose of Contact: Two process drain trenches located in Building 374, Room 3813 currently are lined with a stainless steel covering and are located in the floor of Room 3813. One trench is longer (approximately 8 feet) and contains no process drain piping. The second trench is smaller (approximately 2 feet) and contains a process drain vent and pipe leading to concrete foundation and continuing through the concrete slab to Room 2804 tank farm. Since these trenches were originally lined with stainless steel, no surveys will be conducted below the stainless steel.
B371 A 000225 09/22/2004 3 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	DISTRIBUTION	Building 371 Weekly Status Meeting DOE/LRA for September 22, 2004

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000226	YES, ROUTINE	N/A			371 Weekly Status Meeting DOE/LRA for September 29, 2004
09/29/2004			Author(s)	Recipient(s)	
3 Pages			WARD, DAVID	DISTRIBUTION	
PRELIM					
B371 A 000227	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA for October 6, 2004
10/06/2004			Author(s)	Recipient(s)	
3 Pages					
PRELIM					
B371 A 000228	YES, ROUTINE	N/A			Weekly Status Meeting DOE/LRA for October 13, 2004
10/13/2004			Author(s)	Recipient(s)	
8 Pages			WARD, DAVID	DISTRIBUTION	
PRELIM					
B371 A 000229	YES, ROUTINE	N/A			Purpose of Contact: Closure of Resource Conservation and Recovery Act (RCRA) Unit 374.3, Room 3813. Part X of the Rocky Flats Environmental Technology Site (RFETS/Site), RCRA Part B Permit, addresses closure of permitted storage units. As stated in Section X.A INTRODUCTION "Closure of permitted RCRA Units will be completed on accordance with this permit or the RCRA Unit will be closed pursuant to Rocky Flats Cleanup Agreement (RFCA)". The "Building 371/374 Closure Project Decommissioning Operations Plan" (DOP) is the RFCA decision document governing the closure of Unit 374.1 Room 3813. The DOP refers to the Rocky Flats Cleanup Agreement Standard Operating Protocol (RSOP) for Facility Component Removal, Size Reduction, and Decontamination Activities, a RFCA decision document, for closure options.
10/28/2004			Author(s)	Recipient(s)	
3 Pages			GILBREATH, CHRIS C.	GUNDERSON, STEVE	
PRELIM			LEITNER, RANDY M.	KRUCHEK, DAVID	
			WARD, DAVID	ONYSKIW, DENISE M.	

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000230 11/03/2004 2 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY LEITNER, RANDY M.	ONYSKIW, DENISE M.	Purpose of Contact: Building 374, Room 3803, contained 118 that ran from the floor of Room 3803, through the ceiling, and into the mezzanine level Room 4805. A partial area of the ceiling of Room 3803 and floor of Room 4805 was part of the Glovebox structure. This Glovebox has been removed during stripout of these rooms. As such, there is a large area of the ceiling/floor that remains contaminated. In addition, this area includes structural beams and smaller pieces of glovebox metal that were welded to these beams. The removal of these structural beams prior to demolition would be extremely cumbersome and would possibly create instability in the floor loading of these areas. Kaiser-Hill Company, L.L.C. (K-H) will leave the area of the ceiling /floor inside the perimeter of the removed glovebox as contaminated and remove this portion during demolition as low-level waste. All contamination will be fixed.
B371 A 000231 10/27/2004 15 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for October 27, 2004.
B371 A 000232 10/20/2004 3 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for October 20, 2004.
B371 A 000233 11/10/2004 3 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	ONYSKIW, DENISE M.	Purpose of Contact: Numerous "lessons learned" experiences related to decommissioning demolition activities in building 771/774 have direct applicability in building 371/374. For example, building 371/374 contains a significant amount of plenum penetrations and piping with residual amounts of contamination. In many cases, decontamination activities can

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000234 11/10/2004 5 Pages PRELIM	YES, ROUTINE	N/A	LEITHNER, R. M.	ROBBINS, JAN	Subject: Weekly Status Meeting US Department of Energy (DOE/LRY) Lead Regulatory Agency, for November 10, 2004.
B371 A 000235 11/03/2004 3 Pages PRELIM	YES, ROUTINE	N/A	LEITNER, RANDY M.	ROBBINS, JAN	Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for November 3, 2004.
B371 A 000236 11/09/2004 1 Pages PRELIM	YES, ROUTINE	00537-RF-04, 04-DOE-00841, [000237]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards: An attached [000237], information copy of the Building 374 Demolition Plan is enclosed for Colorado Department of Public Health and Environment (CDPHE) review. The Rocky Flats Project Office (RFPO) has approved this demolition plan for closure and removal of Building 374. The Building 374 Demolition Plan describes the project sequence, equipment, management resources and demolition methodology. Specific procedures for the demolition of Building 374 and for the control of hazards are found in the applicable Work Control Document (WCD), (WG-ENG-WCD-01-083).
B371 A 000237 09/21/2004 16 Pages PRELIM	YES, ROUTINE	00537-RF-04; 04-DOE-00841, [WG-DEMO-361]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	This work plan has been written to describe the intended project sequence, equipment and management resources, as well as the demolition methodology for Building 374.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000238 12/01/2004 3 Pages PRELIM	YES, ROUTINE	N/A	LEITNER, RANDY M.	DISTRIBUTION	B371/374 Weekly Status Meeting DOE/LRA for December 1, 2004
B371 A 000239 12/08/2004 4 Pages PRELIM	YES, ROUTINE	N/A	LEITNER, RANDY M.	DISTRIBUTION	B371/374 Weekly Status Meeting DOE/LRA for December 8, 2004
B371 A 000241 11/17/2004 3 Pages PRELIM	YES, ROUTINE	N/A	LEITNER, RANDY M.	ROBBINS, JAN	Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for November 17, 2004.
B371 A 000242 11/01/2004 1 Pages PRELIM	YES, ROUTINE	04-DOE-00812; 00518-RF-04; [000243; 000244]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards: the attached [000243; 000244] purpose of this letter is to transmit for Colorado Department of Public Health and Environment (CDPHE) review and approval the Pre-Demolition Survey Report (PDSR) for Building 374, Room 3813 (Dock), and Building 374 Exterior. The Rocky Flats Project Office (RFPO), has reviewed this PDSR and determined that the Building 374, Room 3813 (Dock) can be released for demolition. CDPHE support to accomplish the closure and removal of Building 371/374 in a safe and timely manner is greatly appreciated.
B371 A 000243 11/02/2004 2 Pages PRELIM	YES, ROUTINE	00526-RF-04	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Material (HM), and Waste Management (WM) Division has reviewed the Pre-Demolition Survey Report (PDSR) for Building 374 Exterior and East Dock Room 3813; Revision 1 dated October 26, 2004. US Department of Energy (DOE) letter (dated November 1, 2004) and this

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000244 10/26/2004 53 Pages PRELIM	YES, ROUTINE	00526-RF-04	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The purpose of this report is to communicate and document the results of Building 374, Room 3813 Dock Area and exterior surfaces of Building 374. PDS is performed prior to building demolition to define the pre-demolition radiological and chemical conditions of a facility. The pre- demolition conditions are compared with the release limits for radiological and non-radiological contaminants. PDS results will enable project personnel to make final disposition decisions, develop related worker health and safety controls, and estimate waste volumes by waste types.
B371 A 000245 12/09/2004 1 Pages PRELIM	YES, ROUTINE	00611-RF-04; 04-DOE-00938; [000246]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards: The attached [000246] copy of this letter is to transmit Minor Modification 5 to the Building 371/374 Closure Project Decommissioning Operations Plan (DOP) for Colorado Department of Public Health and Environment (CDPHE) review and approval. This minor Modification replaces the used of explosives with conventional demolition techniques. It also clarifies the implementation of removal of contaminated portions of the building shell, in accordance with the process outline in the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (SOP) for Component Removal, Decontamination and Size Reduction Activities.
B371 A 000246 12/08/2004 90 Pages PRELIM	YES, ROUTINE	00611-RF-04; 04-DOE-00872	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Closure Project for Building 371/374 Decommissioning Operations Plan (DOP) Revision 2, Modification 5. In 1996, US Department of Energy (DOE), the US Environmental Protection Agency (EPA), and Colorado Department of Public Health and Environment (CDPHE) executed Rocky Flats Cleanup Agreement (RFCA, 1996). RFCA is the Federal Facility Compliance Agreement and Consent Order negotiated pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA), and Colorado Hazardous Waste Act (CHWA). RFCA provides the

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000247 12/06/2004 1 Pages PRELIM	YES, ROUTINE	00630-RF-04; [000245]	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Material (HM) Waste Management (WM) Division (the Division), has reviewed the proposed major modification to the Building 371/374 Closure Decommissioning Operations Plan (DOP) Revision 2, Modification 5 dated December 8, 2004 The Division hereby approves the minor modification to the Building 317/374 DOP.
B371 A 000248 12/15/2004 4 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	ROBBINS, JAN	Weekly Status Meeting US Department of Energy (DOE/LRA) Lead Regulatory Agency for December 15, 2004.
B371 A 000249 01/26/2005 2 Pages PRELIM	YES, ROUTINE				
B371 A 000249 01/26/2005 2 Pages PRELIM	YES, ROUTINE	Ref: 00526-RF-04; [000244]	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Material (HM), and Waste Management (WM) Division has reviewed the Pre-Demolition Survey Report (PDSR) for Building 374 (Interior) Area AN Phase 1 (Revision 0, dated January 5, 2005). US Department of Energy (DOE), letter regarding this PDSR, dated January 21, 2005, was received by fax on January 24, 2005, CDPHE has provided comments, agreed on resolutions, and received modifications to the initial PDSR Document. Based on the agreed modification and information contained in this PDSR CDPHE are hereby approving the PDSR for Building 371 (Interior) Area AN Phase 1.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000250 12/16/2004 1 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	HINDMAN, JAMES	Purpose of Contact: Kaiser-Hill Company, L.L.C. (K-H) called to obtain clarification on the permit language in Part X Closure of the Resource Conservation and Recovery Act (RCRA) permit which states RCRA permitted units closed under a Rocky Flats Cleanup Agreement (RFCA) decision document are no longer subject to the RCRA permit. Therefore, the Site's RCRA permit closure document will only address those units closed under the permit and not units closed under a RCRA decision document.
B371 A 000251 12/15/2004 2 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	GUNDERSON, STEVE ONYSKIW, DENISE M.	Purpose of Conatact: Several areas within Building 371 contain relatively high amounts of radioactive contamination. Specifically, the areas commonly referred to as "canyons" and the Centralized Storage Vault (CSV). Contact record discuss, approach has been satisfied. Colorado Department of Public Health and Environment (CDPHE),agreed with this approach.
B371 A 000252 02/09/2005 4 Pages PRELIM	YES, ROUTINE	N/A	FLOERKE, JIM	COYNE, D. W.	Subject: Weekly Status Meeting for February 9, 2005.
B371 A 000253 02/02/2005 3 Pages PRELIM	YES, ROUTINE	N/A	FLOERKE, JIM	COYNE, D. W.	Subject: Weekly Status Meeting for February 2, 2005.
B371 A 000254 01/26/2005 3 Pages PRELIM	YES, ROUTINE	N/A	FLOERKE, JIM	COYNE, D. W.	Subject: Weekly Status Meeting for January 26, 2005,

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000255 01/19/2005 3 Pages PRELIM	YES, ROUTINE	N/A	DISTRIBUTION	DISTRIBUTION	Subject: Weekly Status Meeting for January 19, 2005.
B371 A 000256 01/12/2005 3 Pages PRELIM	YES, ROUTINE	N/A	DISTRIBUTION	DISTRIBUTION	Subject: Weekly Status Meeting for January 12, 2005.
B371 A 000257 12/29/2004 3 Pages PRELIM	YES, ROUTINE	N/A	FLOERKE, JIM	COYNE, D. W.	Subject: Weekly Status Meeting for December 29, 2004.
B371 A 000258 03/08/2005 1 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	KRUCHEK, DAVID	Purpose of Contact: Building 371-Dock. Dock 5 located on the East Side of Building 371 was survey in accordance with the 371 Decommissioning Operations Plan (DOP) and Pre-Demolition Survey Plan (PDSP).
B371 A 000259 02/15/2003 2 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	ONYSKIW, DENISE M.	Purpose of Contact: Building 371 Embedded Metal. During construction activities, concrete was poured around several metal brackets, plates and other miscellaneous items.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000262 03/09/2005 2 Pages PRELIM	YES, ROUTINE	N/A	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials (HM), and Waste Management (WM) Division has reviewed the PDSR for Building 371 Phase II, Revision 0, dated February 28, 2005. Based on the agreed modifications and information contained in this PDSR (Rivision1), CDPHE are hereby approving the PDSR for Building 371 Phase II. which includes B371 Area AP/AF from column lines 12 to 15, B371 exterior, B376,T376A, BT371K, T371H, I and J.
B371 A 000264 04/11/2005 1 Pages PRELIM	YES, ROUTINE	00204-RF-05; 05-DOE-00217; [000265]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards the attached 000265 of this letter is to transmit for review and approval the Pre-Demolition Survey Report (PDSR) for Building 371 Phase III. This PDSR includes Building 371 Area A P from column lines 1 through 12 and from column lines T through Y, Building 373, and Cooling Tower 911. The Rocky Flats Project Office (RFPO) has reviewed this PDSR and has determined that Building 371 Phase III can be released for demolition.
B371 A 000265 04/04/2005 64 Pages PRELIM	YES, ROUTINE	00204-RF-05; 05-DOE-00217; [000264]	DISTRIBUTION	NOT INDICATED	A Pre-Demolition Survey (PDS) was performed to enable compliant disposition and Waste Management (WM) of Building 371, Phase III areas for structural surfaces that exist within six feet of the final grade. Phase III areas include Building 371, Area AP (all interior surface located between column lines 1 through A Pre-Demolition Survey (PDS) was performed to enable compliant disposition and Waste Management (WM) of Building 371, Phase III areas for structural surfaces that exist within six feet of the final grade. Phase III areas include Building 371, Area AP (all interior surfaces located between column lines 1 through 12 and column lines T through Y). The exterior surfaces of Building 371 were covered in a separate Pre-Demolition Survey Report (PDSR) dated March 9, 2005. Because this Type 3 building will be demolished, the characterization was performed in accordance with the Pre-Demolition Survey Plan

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Pages		Title / Subject
B371 A 000266	YES, ROUTINE	00161-RF-05	GUNDERSON, STEVE	LEGARE, JOSEPH A.	2	PRELIM	Re: Building 371 Sub-Basement Decommissioning Operations Plan (DOP) Surveys. The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials (HM) and Waste Management (WM) Division has reviewed US Department of Energy (DOE) letter and the DOP Surveys information/data for the sub-basement of Building 371, provided on March 24, 2005. Based on the information and data provides, CDPHE agree that the sub-basement of Building 371 meets the DOP requirements. Therefore, pre-demolition activities, such as proposed wall and ceiling removals and backfill of the sub-basement may be performed.
03/24/2005							
B371 A 000267	YES, ROUTINE	00172-RF-05; 05-DOE-00173; [000266]	LEGARE, JOSEPH A.	GUNDERSON, STEVE	45	PRELIM	Forwards the purpose of this letter is to transmit for Colorado Department of Public Health and Environment (CDPHE) for review and approval the Decommissioning Operations Plan (DOP) surveys for the Building 371 sub-basement. The Rocky Flats Field Project (RFPO) has reviewed the DOP surveys and has determined that the Building 371 sub-basement can be released for applicable wall and ceiling removals, backfill preparation, and backfill.
03/24/2005							
B371 A 000268	YES, ROUTINE	00212-RF-05; Ref; 000264	GUNDERSON, STEVE	LEGARE, JOSEPH A.	1	PRELIM	The Colorado Department of Public Health and Environment (CDPHE), Hazardous Materials (HM) and Waste Management (WM), Division has reviewed the Pre-Demolition Survey Report (PDSR) for Building 371 Phase III, Revision 0, dated April 4, 2005. CDPHE has also received a copy of DOE letter regarding this PDSR dated April 11, 2005, Based on the information contained in this PDSR, CDPHE hereby approving the PDSR Building 371 Phase III, including the 371 Area AP from column lines 1-12 and T-Y and the Cooling Tower 911. However CDPHE is not approving the PDSR at this time.
04/12/2005							

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000269 04/18/2005 2 Pages PRELIM	YES, ROUTINE	N/A	LEITNER, RANDY M.	KRUCHEK, DAVID	Purpose of Contact: Colorado Department of Public Health and Environment (CDPHE) was informed of the Project's plans to create an external wall opening (apporximately 2" x 2") on the north side of the Building 371 to facilitate sub-basement backfilling operations. The purpose opening will be made below the main floor, at the upper east portion of the north wall of Room 2319.
B371 A 000270 04/27/2005 1 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C. LEITNER, RANDY M.	AINSCOUGH, HARLAN ONYSKIW, DENISE M.	Purpose of Contact: Closure if remaining Resource Conservation and Recovery Act (RCRA), Mixed Residue Units Building 371 Addendum to Contact Record dated December 21, 2004. A previous Contact Record dated December 21, 2004, outlined the process agreed to by Colorado Department of Public Health and Environment (CDPHE) for Closure of the majority of these units was completed. At that time closure activities for mixed residue valuts in Rooms 2317, 3549, 3553, 3558, and 3563 and had not yet been completed.
B371 A 000271 05/12/2005 2 Pages PRELIM	YES, ROUTINE	00264-RF-05; 05-DOE-00298	LEGARE, JOSEPH A.	GUNDERSON, STEVE	Forwards The purpose of this letter is to transmit for Colorado Department of Public Health and Environment (CDPHE) review and approval for the Final Status Survey Report for Building 371 Phase IV and V, Revision 1. The Rocky Flat Project Office has review the Final Status Survey Report and has determined that Building 371 Phase IV and V can be released for demolition.
B371 A 000272 05/13/2005 2 Pages PRELIM	YES, ROUTINE	00265-RF-05; (Ref: B371-A-000271)	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Material (HM) and Waste Management (WM) Division has reviewed the Final Status Survey Report (FSSR) the Building 371 Phase 4, and 5, Revision 0, dated May 2, 2005. Based on the information contained in this FSSR, and, modifications as discussed and agreed to be provided in Revision 1, CDPHE are hereby approving the findings as provided in the FSSR for Building 371 Phase 4, and 5, allowing for ths appropriate demolition of thr remainder

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000273 05/09/2005 2 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C. LEITHNER, R. M.	AINSCOUGH, HARLAN	Closure of remaining Resource Conservation and Recovery Act (RCRA) Permitted Units Building 371. Administrative Closure. The following rooms in Building 371 are lusted in Section III of the permit but was never used for permitted storage per Waste Environmental Management System (WEMS) and the Master List of RCRA Units: 1004, 1005, 1006, 1214, 1216, 1218, 2009, 2014, 2016, 2203, 2207, 2307, 2310, 2317, 2319, 3031A, 3031B, 3042, 3181, 3185, 3187A, 3193, 3208, 3303, 3337, 3521, 3523, 3531.Units: 1004, 1005, 1006, 1214, 1216, 1218, 2009, 2014, 2016, 2203, 2207, 2307, 2310, 2317, 2319, 3031A, 3031B, 3042, 3181, 3185, 3187A, 3193, 3208, 3303, 3337, 3521, 3523, 3531.
B371 A 000274 06/28/2005 2 Pages PRELIM	YES, ROUTINE	N/A	CARNIVAL, GARY J. GILBREATH, CHRIS C. NESTA, STEVE	KRUCHEK, DAVID ONYSKIW, DENISE M.	An agreement was reached among Building 371 project personnel, Remediation, Industrial Building D&D and Site Services Project, RISS Environmental Compliance, Riss Environmental Restoration, and the Colorado Department of Public Health and Environment (CDPHE) to remediate the surface and foundation drains and an abandoned storm drain at Building 371/374.
B371 A 000275 06/28/2005 2 Pages PRELIM	YES, ROUTINE	N/A	CARNIVAL, GARY J.	KRUCHEK, DAVID ONYSKIW, DENISE M.	An agreement was reached among Bldg. 371 project personnel, Remediation, Industrial Building D&D and Site Services Project, RISS Environmental Compliance, RISS Environmental Restoration and the Colorado Department of Public Health and Environment (CDPHE) to remediate the subsurface and foundation drains and an abandoned storm drain at Bldg 371/374.
B371 A 000276 05/24/2005 4 Pages PRELIM	YES, ROUTINE	N/A	WARD, DAVID	ADMINISTRATIVE RECORD	Attached are the meeting minutes from the B371 bird nesting meeting on May 23, 2005.

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000277 05/25/2005 2 Pages PRELIM	YES, ROUTINE	00288-RF-05	GUNDERSON, STEVE	LEGARE, JOSEPH A.	The Colorado Department of Public Health and Environment (CDPHE) Hazardous Materials and Waste Management Division has received the letter from US Department of Energy (DOE) and has attached Building 371 Demolition Plan for Phase IV and V. CDPHE received DOE letter, letter May 19, 2005 on May 24, 2005. As stated in DOE this Demolition Plan and related information has been previously provided to Division personnel.
B371 A 000278 04/06/2005 5 Pages PRELIM	YES, ROUTINE	N/A	GILBREATH, CHRIS C.	BRITTEN, JAY	Weekly Status Meeting April 6, 2005.
B371 A 000279 03/30/2005 6 Pages PRELIM	YES, ROUTINE				
B371 A 000279 03/30/2005 6 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY	BRITTEN, JAY	Weekly Status Meeting March 30, 2005
B371 A 000280 04/27/2005 1 Pages PRELIM	YES, ROUTINE	N/A	DOGAL, TOM GILBREATH, CHRIS C.	BRITTEN, JAY	Weekly Status Meeting. Building 371 Vault Disposition Decommissioning Operations Plan (DOP) measurement dat package (basement).

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Doc. No. / Date	Routine	Internal Code	Author(s)	Recipient(s)	Title / Subject
B371 A 000281 04/20/2005 4 Pages PRELIM	YES, ROUTINE	N/A	FERRERA, KEN GILBREATH, CHRIS C.	BRITTEN, JAY	Weekly Status Meeting, Phase IV/V Final survey Reports. Basement Penetration Strategy.
B371 A 000282 04/13/2005 4 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY FERRERA, KEN	DOGAL, TOM BROWN, HOSS	Weekly Status Meeting, Phase IV Final Survey Reports.
B371 A 000283 03/23/2005 3 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	DISTRIBUTION	Weekly Status Meeting March 23, 2005 B371/374 Closure Project
B371 A 000284 03/16/2005 3 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	DISTRIBUTION	Weekly Status Meeting March 16, 2005 B371/B374 Closure Project
B371 A 000285 03/09/2005 3 Pages PRELIM	YES, ROUTINE	N/A	BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	DISTRIBUTION	Weekly Status Meeting March 9, 2005 B371/374 Closure Project

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Doc. No. / Date	Routine	Internal Code	Title / Subject
B371 A 000286 03/02/2005 3 Pages PRELIM	YES, ROUTINE Author(s) BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	N/A Recipient(s) DISTRIBUTION	Weekly Status Meeting March 2, 2005 B371/374 Closure Project
B371 A 000287 02/23/2005 3 Pages PRELIM	YES, ROUTINE Author(s) BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	N/A Recipient(s) DISTRIBUTION	Weekly Status Meeting February 23, 2005 B371/374 Closure Project
B371 A 000288 02/16/2005 3 Pages PRELIM	YES, ROUTINE Author(s) BRITTEN, JAY COYNE, D. W. FLOERKE, JIM	N/A Recipient(s) DISTRIBUTION	Weekly Status Meeting February 16, 2005 B371/374 Closure Project
B371 A 000289 05/19/2005 1 Pages PRELIM	YES, ROUTINE Author(s) LEGARE, JOSEPH A.	00270-RF-05; 05-DOE-00328; Ref: 000290 Recipient(s) GUNDERSON, STEVE	Forwards the attached 000290 of the Building 371 Demolition Plan is enclosed for Colorado Department of Public Health and Environment (CDPHE), review. The Rocky Flats Project Office (RFPO) has approved this document plan for closure and removal of Building 371 Phase IV and V. The Building 371 Demolition Plan describes the project sequence, equipment, management resources and demolition methodology.

There are 288 records in this set and a total of 3954 pages.

Doc. No. / Date	Routine	Internal Code	Title / Subject
B371 A 000290	YES, ROUTINE	00270-RF-05; 05-DOE-00328; 000289	This Building 371demolition Plan provides a description of the methods that will be used to guide the planning and implementation of demolition activities associated with the B371/376 Closure Project Decommissioning Operations Plan (DOP). Demolition will be performed in the safest, most efficient sequence possible. Building 371/376 has been divided into a 5-phase plan.
05/16/2005	Author(s)	Recipient(s)	
13 Pages	DISTRIBUTION	DISTRIBUTION	
PRELIM			

ATTACHMENT B

PROFESSIONAL ENGINEERS CERTIFICATION OF RCRA UNIT CLOSURE

CORRES. CONTROL
LTR. NO.
Originator Ltr Log #
CSG-002-05
05- RF -

DIST.	LTR	ENC
Brown, Hoss	X	X
Crockett, Gregg		
Del Vecchio, David		
Dogaf, Tom		
Ferrera, Denny		
Ferrera, Ken		
Geis, Art		
Gilbreath, Chris		
Gilpin, Howard		
Henderson, Brian		
Kirby, Bill		
Kury, Bob		
Lee, Chris		
Leitner, Randy		
Lindsay, Dana		
McFadden, Ken		
Romano, Steve		
Shelton, Dave		
Spears, Mark	X	X
Thistlewood, Dave		
Tuor, Nancy		
Zarret, Joel		
RF CORRES. CONTROL/T130G	X	X
RATS/T130G		

CLASSIFICATION:

ICNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE:
DANIEL L. MAYFIELD
Date: 27 APRIL 2005
IN REPLY TO RF CC NO.:

ACTION ITEM STATUS:
☐ PARTIAL/OPEN
☐ CLOSED
APPROVALS:

KAISER•HILL COMPANY

April 26, 2005 05-RF-00416

Denise Onyskiw
Building 371/374 Project Manager
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80246-1530

BUILDING 371 RCRA PROFESSIONAL ENGINEER CERTIFICATION – CSG-002-05

Dear Ms. Onyskiw:

The Building 371/374 Decommissioning Operations Plan (DOP) requires a closure certification be prepared and signed by an independent, Colorado-registered, professional engineer (P.E.) for units closed in accordance with Section 6.1.1.2. The P.E. certification (Attachment 1) identifies the rooms in Building 371 that have been closed in accordance with Section 6.1.1.2. The radiological surveys have been completed to verify the surfaces of these units are at or below 20 dpm/100 cm^2. The surveys are attached (Attachment 2). As a result, all RCRA units in Building 371 have been clean closed in accordance with the DOP.

If you have any questions regarding this matter, please contact me at (303) 966-7355.

Sincerely,

Chris S. Gilbreath
Building 371/374 Environmental Manager

Attachment:
As Stated

cc:
S. Gunderson, CDPHE – w/o attachment 2
H. Ainscough, CDPHE – w/o attachment 2
M. Aguilar, EPA – w/o attachment 2
W. Soyfer, DOE – w/o attachment 2

Washington Group International
Integrated Engineering, Construction, and Management Solutions

WGI No. 0492

March 31, 2005

Chris Gilbreath
371/374 ESH&Q Manager
Kaiser-Hill T371L
10808 Colorado State Highway 93
Golden, CO 80403

Subject: Professional Engineer Certification – RCRA Units Building 371

The Building 371/374 Decommissioning Operations Plan (DOP) requires a closure certification prepared and signed by a professional engineer (PE) for RCRA regulated units. Building 371 rooms 1107, 1109, 1117/1125, 1127, 2317, 3549, 3553, 3559 and 3563 were decontaminated by shaving and/or scabbling. The rooms met the following criterion specified in the DOP:

- A visual inspection of each room confirmed the absence of hazardous or mixed waste stains and/or residuals. All of the rooms have since been painted with white latex.

Building 371 meets the criteria of DOP section 6.1.1.2 for "clean closure" by decontamination pending completion of:

- Radiological surveys verify surfaces are at or below the 20 dpm/100 cm^2 release criteria for removable contamination identified in the RFCA Standard Operating Protocol (RSOP).

Sincerely,

Robert Paul Campbell

Robert Paul Campbell, P.E.
Colorado Professional Engineer No. 29795

cc: Tom Bourgeois - WGI

CORRES. CONTROL
LTR. NO.
Originator Ltr Log #

CSG-001-05

05-RF-00103

DIST.	LTR	ENC
Brown, Hoss		
Coyne, Dan		
Del Vecchio, David		
Dieter, Tom	K	K
Ferrera, Denoy		
Ferrera, Ken		
Floerke, Jim		
Gilbreath, Chris		
Gilpin, Howard		
Hengert, Tom		
Kirby, Bill		
Kury, Bob		
Larsen, Brian		
Lee, Chris		
Leitner, Randy		
Lindsay, Dana		
Martinez, Len		
McFadden, Ken		
Morgan, Calvin		
Romano, Steve		
Shelton, Dave		
Spears, Mark		
Thistlewood, Dave		
Tuor, Nancy		
VonFeldt, Rick		
RF CORRES. CONTROL/T130G	X	X
PATS/T130G		

CLASSIFICATION:	
UCNI	
UNCLASSIFIED	X
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER SIGNATURE:

Date: 1-31-05

IN REPLY TO RF CC NO.:

ACTION ITEM STATUS:
☐ PARTIAL/OPEN
☐ CLOSED

LTR APPROVALS:

ORIG. & TYPIST INITIALS:
CSG:rmk

RF-46469 (Rev.6/02)

KAISER•HILL COMPANY

January 26, 2005

05-RF-00103

Denise Onyskiw
Building 371/374 Project Manager
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80246-1530

BUILDING 374 RCRA PROFESSIONAL ENGINEER CERTIFICATION – CSG-001-05

Dear Ms. Onyskiw:

The Building 371/374 Decommissioning Operations Plan (DOP) requires a closure certification be prepared and signed by an independent, Colorado-registered, professional engineer (P.E.) for units closed in accordance with Section 6.1.1.2. The P.E. certification (Attachment 1) identifies the rooms in Building 374 that have been closed in accordance with Section 6.1.1.2. As a result, all RCRA units in Building 374 have been clean closed in accordance with the DOP.

If you have any questions regarding this matter, please contact me at (303) 966-7355.

Sincerely,

Chris S. Gilbreath
Building 371/374 Environmental Manager

Attachment:
As Stated

cc:
S. Gunderson, CDPHE
H. Ainscough, CDPHE
M. Aguilar, EPA
W. Seyfert, DOE

Kaiser Hill Company, L.L.C.
Rocky Flats Environmental Technology Site, 10808 Hwy. 93 Unit B, Golden CO 80403-8200 • 303-966-7000

110

Washington Group International
Integrated Engineering, Construction, and Management Solutions

January 26, 2005

Chris Gilbreath
371/374 ESH&Q Manager
Kaiser-Hill T371L
10808 Colorado State Highway 93
Golden, CO 80403

Subject: Professional Engineer Certification – RCRA Units Building 374

The Building 371/374 Decommissioning Operations Plan (DOP) requires a closure certification prepared and signed by a professional engineer (PE) for RCRA regulated units. Building 374 rooms 2804, 3801, 3803, 3805, 3809, 3810 and 4805 were decontaminated by shaving and/or scabbling. The rooms met the following criteria specified in the DOP

- A visual inspection of each room confirmed the absence of hazardous or mixed waste stains and/or residuals. Rooms 3809 and 3810 had some water staining from leakage at the exterior wall joints and at a ventilation duct penetration. The staining occurred after the floor had been decontaminated.

- Radiological surveys verified the surfaces were at or below the 20 dpm/100 cm^2 criteria for removable contamination identified in the RFCA Standard Operating Protocol (RSOP).

Building 374 meets the criteria of DOP section 6.1.1.2 for "clean closure" by decontamination.

Sincerely,

Robert Paul Campbell

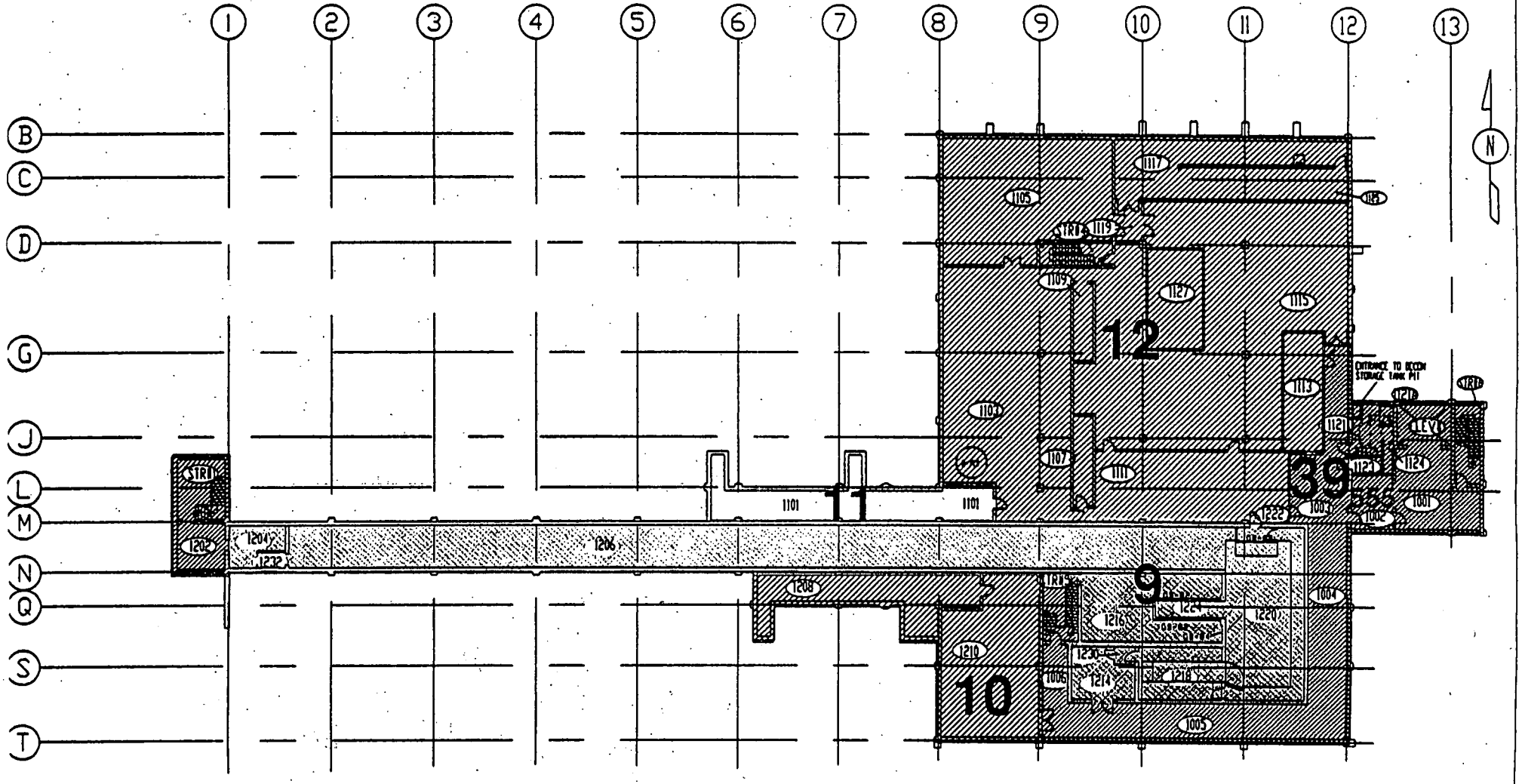
Robert Paul Campbell, P.E.
Colorado Professional Engineer No. 29795

cc: Tom Bourgeois - WGI

ATTACHMENT C

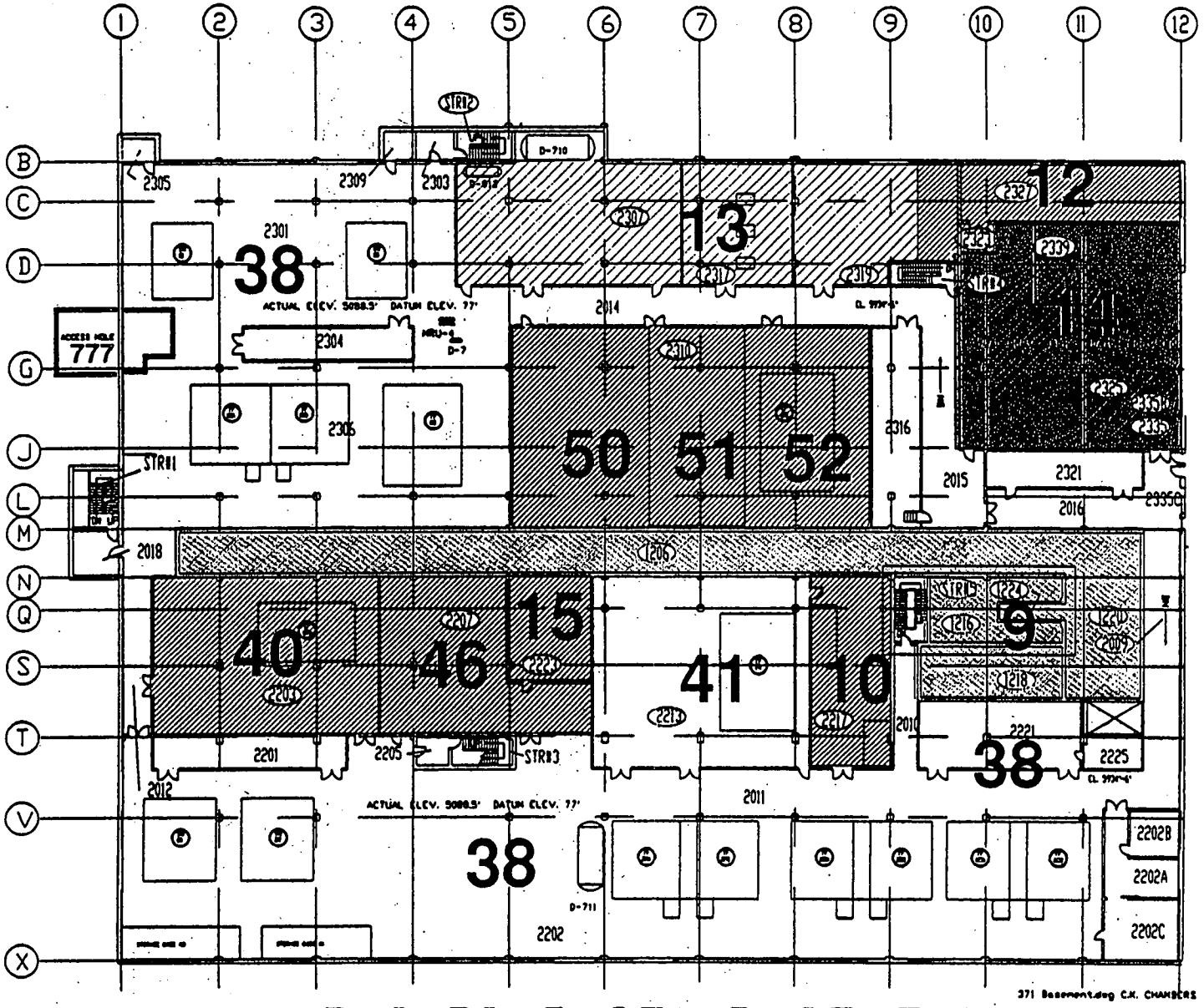
FLOOR DIAGRAMS OF DISMANTLEMENT SETS

BUILDING 371
DISMANTLEMENT SETS



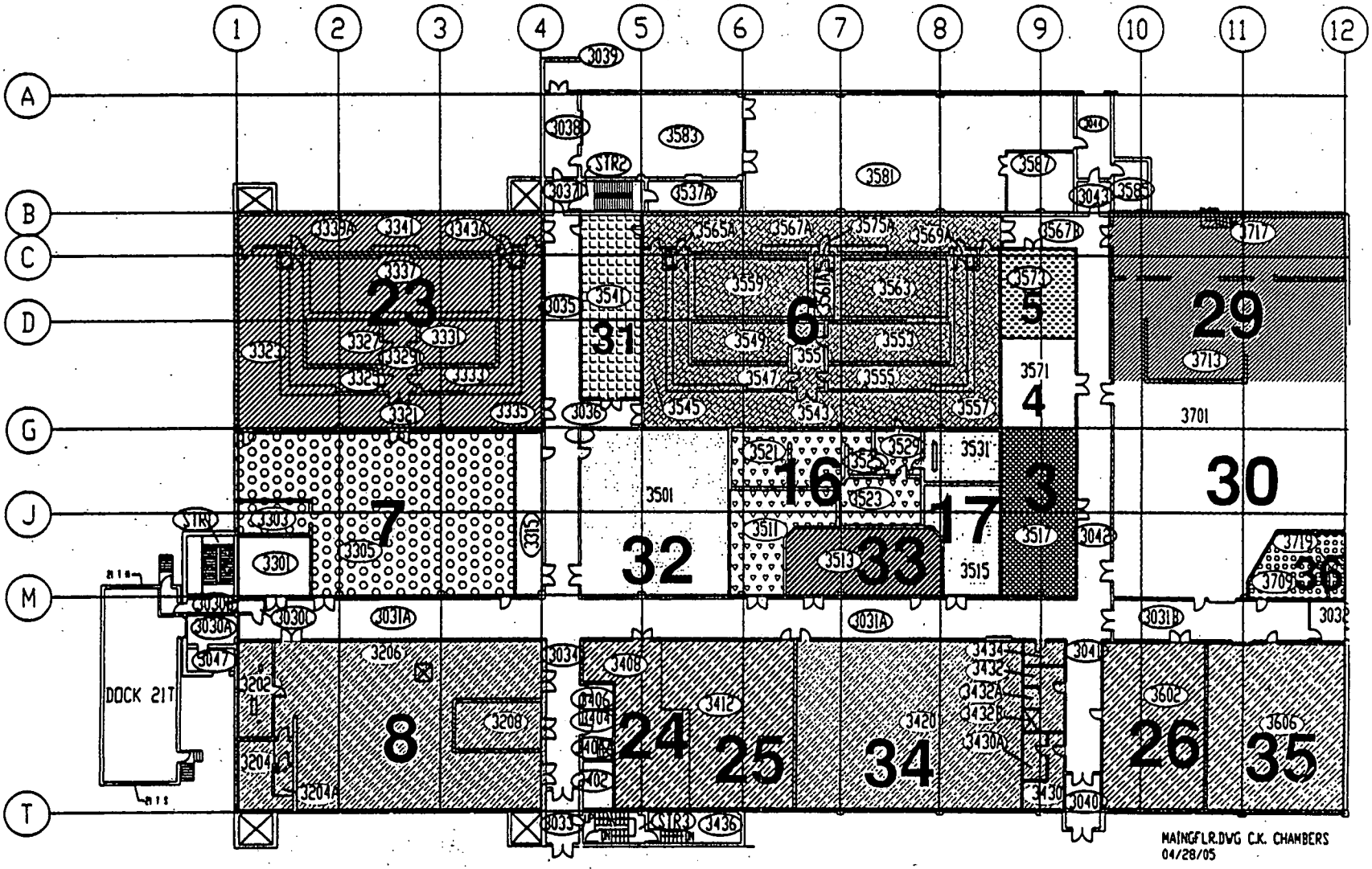
BUILDING 371 SUB-BASEMENT

BUILDING 371
DISMANTLEMENT SETS



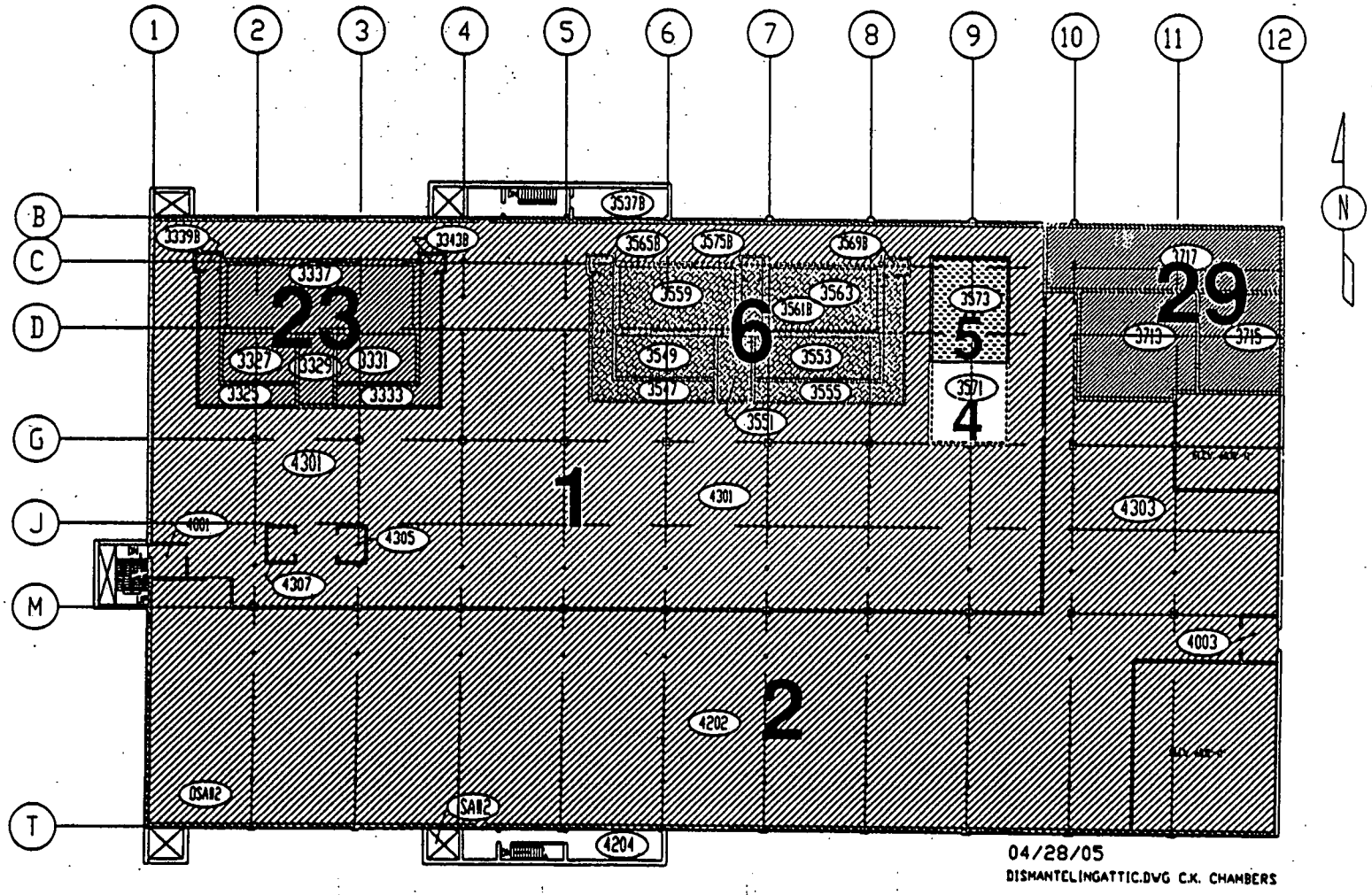
BUILDING 371 BASEMENT

BUILDING 371
DISMANTLEMENT SETS



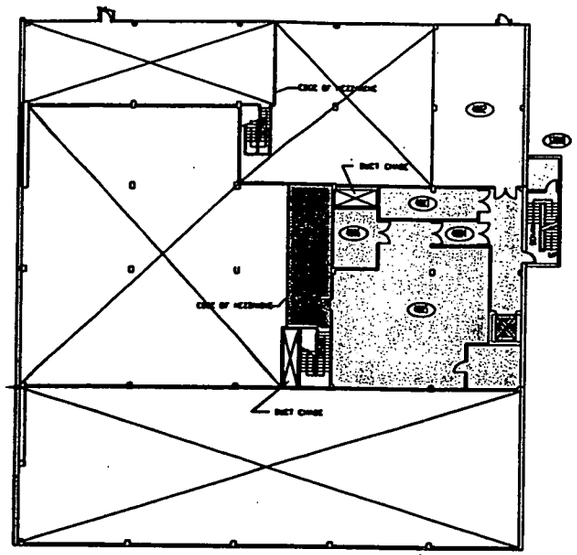
BUILDING 371 GROUNDFLOOR

BUILDING 371
DISMANTLEMENT SETS

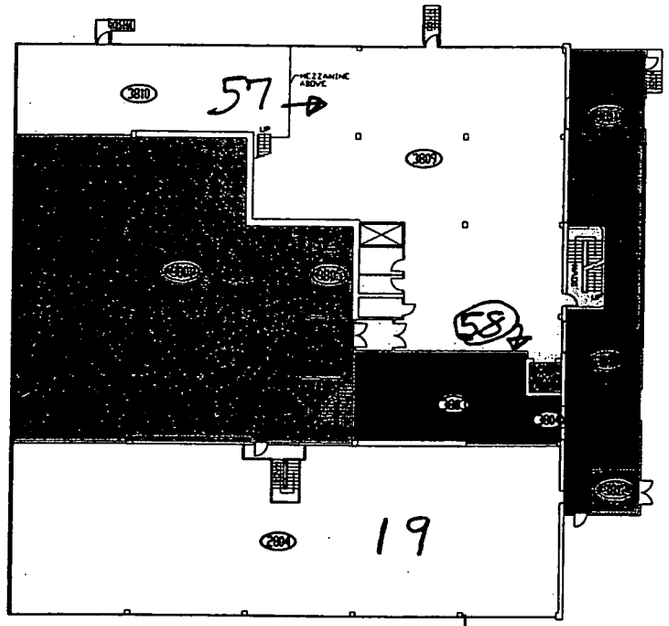


BUILDING 371 ATTIC

MEZZANINE



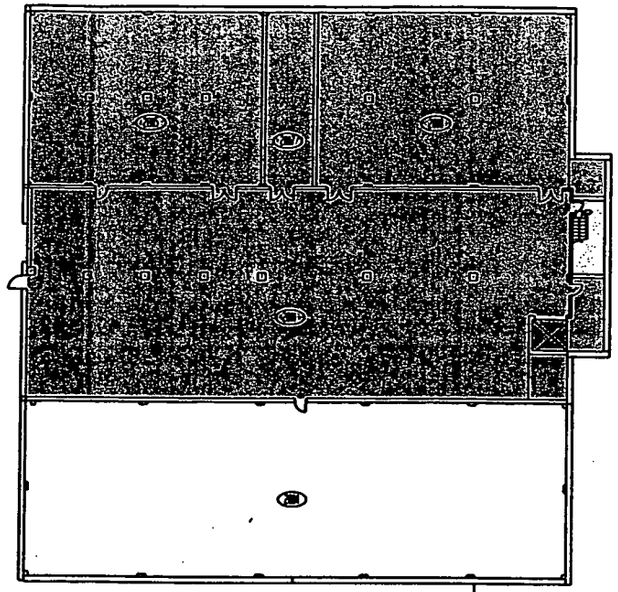
GROUND FLOOR



See Inset for Detail of Room 2804

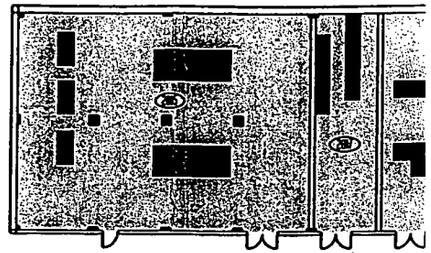
BASEMENT

(Area within 6' Below Grade)

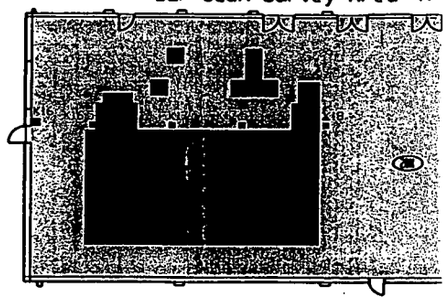


See Inset for Detail of Room 2804

DOP Scan Survey Area "A"



DOP Scan Survey Area "A"



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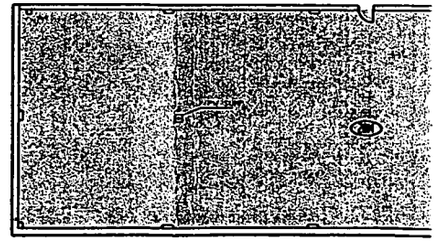
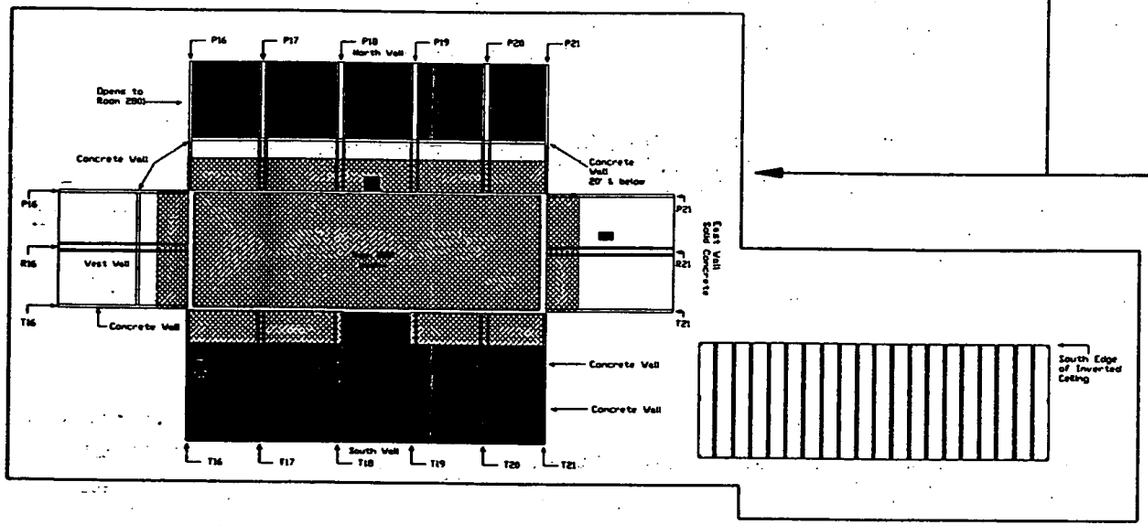




Phase I - Final Survey

- 374001
- 374002 & 374003
- 374004 & 374005
- 374006 & 374007
- 374008 & 374009
- 374010
- 374011
- 374012
- 374013
- 374015
- 374017
- 374019

DOP Survey Scan Area "A"

- DOP

N

Final Survey - Jimenez x2269

B374

Building 371 Basement Floor Area Surveys Phase IV Set 38 (Conducted 3-30-05, 4-4-05, 4-13-05, & 4-14-05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
4130502	2321	Floor 1	0.2	0.028	0.004	106.0	<MDA	0.195	0.223	0.390	7.0	0.011	0.012	1
4140501	2301	Floor 2	< 0.1	0.004	0.004	na	<MDA	0.028	0.032	0.390	7.0	0.002	0.002	2
4140502	2306	Floor 3	< 0.1	0.004	0.004	na	<MDA	0.028	0.032	0.390	7.0	0.002	0.002	2
4140509	2011	Floor 4	< 0.1	0.004	0.004	na	<MDA	0.028	0.032	0.390	7.0	0.002	0.002	2
4130503	2014	Floor 5	0.2	0.027	0.005	106.0	<MDA	0.188	0.215	0.390	7.0	0.010	0.012	1
4140503	2203	Floor 6 (at 7ft)	< 0.5	0.050	0.050	na	<MDA	0.348	0.398	0.390	7.0	0.019	0.022	2
4140507	2213	Floor 7	< 0.1	0.005	0.005	na	<MDA	0.035	0.040	0.390	7.0	0.002	0.002	2
4130505	2310	Floor 8	0.2	0.025	0.005	106.0	<MDA	0.174	0.199	0.390	7.0	0.010	0.011	1
4140508	2011	Floor 9	0.1	0.006	0.004	113.0	<MDA	0.042	0.048	0.390	7.0	0.002	0.003	1
4140504	2202	Floor 10	< 0.1	0.004	0.004	na	<MDA	0.028	0.032	0.390	7.0	0.002	0.002	2
4130504	2310	Floor 11	< 0.1	0.005	0.005	na	<MDA	0.035	0.040	0.390	7.0	0.002	0.002	2
4140510	2009	Floor 12	< 0.1	0.005	0.005	na	<MDA	0.035	0.040	0.390	7.0	0.002	0.002	2
4140505	2207	Floor 13	0.1	0.006	0.004	114.0	<MDA	0.042	0.048	0.390	7.0	0.002	0.003	1
4130506	2301	Floor 14	< 0.1	0.004	0.004	na	<MDA	0.028	0.032	0.390	7.0	0.002	0.002	2
4140506	2202	Floor 15	0.1	0.014	0.004	107.0	<MDA	0.097	0.111	0.390	7.0	0.005	0.006	1
3300501	2310	Floor B16	< 0.1	0.011	0.011	na	<MDA	0.076	0.087	0.390	7.0	0.004	0.005	2
4040501	2310	Floor B33	3.6	0.423	0.013	105.0	<MDA	2.940	3.363	0.390	7.0	0.164	0.187	1
4040502	2310	Floor B34	2.9	0.335	1.20E-02	105.0	<MDA	2.329	2.664	0.390	7.0	0.130	0.148	1

Notes:

1) Floor survey areas are equivalent to 4 sq.ft. each, unless indicated with an asterisk* All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
   Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.951
   Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Area: D	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 13 Bias		Nbr of measurements: 1113

Eberline Services In-situ Gamma Slab Measurements		Gamma Surface Measurements	
Maximum:	0.76 nCi/g	Maximum:	13.62 nCi/g
Minimum:	0.002 nCi/g	Minimum:	0.30 nCi/g
Mean:	0.13 nCi/g	Mean:	0.63 nCi/g
Standard Deviation:	0.20 nCi/g	Standard Deviation:	0.68 nCi/g
DOP Slab Limits:	7 nCi/g	DOP Surface Limits:	100 nCi/g

Total nCi: 1.66E+07

Total Grams WGPu: 2.01E-01

Building 371 Basement Floor Area Surveys Phase IV Sets 12, 13, 14 (Conducted 3/28/05, 3/29/05, 4/1/05, 4/5/05, 4/6/05, 4/8/05, 4/12/05, 4/13/05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2 Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 5)
04120501	2327	Wall 1	0.5	0.053	0.013	31.3	<MDA	0.37	0.42	0.390	7.0	0.021	0.023	1
04050507	2307	Floor 2	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04050504	2307	Floor 3	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04060505	2325	Floor 4	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04060506	2325	Floor 5-mp	1.5	0.180	0.088	175	<MDA	1.3	1.4	0.390	7.0	0.070	0.080	1
04050505	2307	Floor 6	< 0.1	< 0.006	0.006	na	<MDA	0.04	0.05	0.390	7.0	0.002	0.003	2
04060502	2319	Floor 7	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04050506	2307	Floor 8	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04060501	2317	Floor 9	0.1	0.006	0.004	115	<MDA	0.04	0.05	0.390	7.0	0.002	0.003	1
04060509	2325	Floor 10	0.1	0.005	0.005	122	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	1
04060508	2325	Floor 11	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04120505	2327	Wall 12	3.2	0.367	0.019	27.3	<MDA	2.6	2.9	0.390	7.0	0.14	0.16	1
04060507	2325	Floor 13	< 0.1	< 0.005	0.005	na	<MDA	0.04	0.04	0.390	7.0	0.002	0.002	2
04120502	2327	Wall 14	0.3	0.037	0.013	34.9	<MDA	0.26	0.29	0.390	7.0	0.014	0.016	1
04060503	2319	Floor 15	< 0.1	< 0.005	0.005	na	<MDA	0.03	0.04	0.390	7.0	0.002	0.002	2
04050503	2307	Floor B1 (after decon)	< 0.2	< 0.019	0.019	na	<MDA	0.13	0.15	0.390	7.0	0.008	0.009	2
04050502	2307	Floor B2 (after decon)	< 0.2	< 0.019	0.019	na	<MDA	0.13	0.15	0.390	7.0	0.007	0.009	2
04050501	2307	Floor B3 (after decon)	0.3	0.030	0.021	114	<MDA	0.21	0.24	0.390	7.0	0.012	0.013	1
03260501	2317	Floor B4	3.2	0.377	0.013	105	<MDA	2.6	3.0	0.390	7.0	0.15	0.17	1
03260502	2317	Floor B5	2.2	0.253	0.012	105	<MDA	1.8	2.0	0.390	7.0	0.10	0.11	1
03260503	2317	Floor B6	3.1	0.355	0.013	105	<MDA	2.5	2.8	0.390	7.0	0.14	0.16	1
03260504	2317	Floor B7	3.4	0.399	0.013	105	<MDA	2.8	3.2	0.390	7.0	0.15	0.18	1
03260505	2317	Floor B8	7.6	0.883	0.019	105	<MDA	6.1	7.0	0.390	7.0	0.34	0.39	1
03260506	2317	Floor B9	14.6	1.71	0.022	105	<MDA	12	14	0.390	7.0	0.66	0.76	1
03260507	2317	Floor B10	13.3	1.55	0.019	105	<MDA	11	12	0.390	7.0	0.60	0.69	1
03260508	2317	Floor B11	4.2	0.489	0.014	105	<MDA	3.4	3.9	0.390	7.0	0.19	0.22	1
03260509	2317	Floor B12	2.5	0.292	0.011	105	<MDA	2.0	2.3	0.390	7.0	0.11	0.13	1
03260510	2317	Floor B13	12.3	1.43	0.020	105	<MDA	9.9	11	0.390	7.0	0.55	0.63	1

Survey Area: E	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 3 Bias		Nbr of measurements: 371

Eberline Services In-situ Gamma Slab Measurements

Maximum:	4.20 nCi/g
Minimum:	0.04 nCi/g
Mean:	0.89 nCi/g
Standard Deviation:	1.18 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	71.69 nCi/g
Minimum:	0.49 nCi/g
Mean:	3.51 nCi/g
Standard Deviation:	6.45 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 9.06E+07

Total Grams WGPu: 7.47E-03

Building 371 Sub-Basement Floor Area Surveys Area (Conducted 3-6-05, 3-13-05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
3060530	1206	CSV-1	1	0.100	0.020	106.0	<MDA	0.7	0.8	0.390	7.0	0.0	0.0	1
3060527	1206	CSV-2	5	0.620	0.040	105.0	<MDA	4.2	4.9	0.390	7.0	0.2	0.3	1
3060523	1206	CSV-3	62	7.300	0.070	105.0	<MDA	50.0	57.3	0.390	7.0	2.8	3.2	1
3060526	1206	CSV-4	1	0.120	0.020	106.0	<MDA	0.8	0.9	0.390	7.0	0.0	0.1	1
3060524	1206	CSV-5	2	0.280	0.020	105.0	<MDA	1.9	2.2	0.390	7.0	0.1	0.1	1
3060533	1206	CSV-6	1	0.160	0.020	106.0	<MDA	1.1	1.3	0.390	7.0	0.1	0.1	1
3060522	1220	CSV-7*	295	4.600	0.090	39.7	<MDA	31.5	36.1	0.390	7.0	1.8	2.0	1
3060519	1218	CSV-8	24	2.800	0.050	105.0	<MDA	19.2	22.0	0.390	7.0	1.1	1.2	1
3060520	1220	CSV-9*	27	1.400	0.090	11.0	<MDA	9.6	11.0	0.390	7.0	0.5	0.6	1
3060532	1206	CSV-10	8	0.930	0.030	105.0	<MDA	6.4	7.3	0.390	7.0	0.4	0.4	1
3060518	1218	CSV-11	26	3.000	0.040	105.0	<MDA	20.6	23.6	0.390	7.0	1.1	1.3	1
3060525	1206	CSV-12	4	0.440	0.020	105.0	<MDA	3.0	3.5	0.390	7.0	0.2	0.2	1
3060521	1220	CSV-13*	54	2.800	0.100	9.9	<MDA	19.2	22.0	0.390	7.0	1.1	1.2	1
3060529	1206	CSV-14	3	0.310	0.030	105.0	<MDA	2.1	2.4	0.390	7.0	0.1	0.1	1
3060531	1206	CSV-15	4	0.510	0.020	105.0	<MDA	3.5	4.0	0.390	7.0	0.2	0.2	1
3060528	1206	CSV-B3	1	0.120	0.030	106.0	<MDA	0.8	0.9	0.390	7.0	0.0	0.1	1
3130501	1206	CSV-B4	13	1.500	0.030	105.0	<MDA	10.3	11.8	0.390	7.0	0.6	0.7	1
3130503	1206	CSV-B5	83	9.600	0.030	105.0	<MDA	65.8	75.4	0.390	7.0	3.7	4.2	1

Notes:

1) Floor survey areas are equivalent to 4 sq.ft. each, unless indicated with an asterisk* All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
   Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
   Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Area: F	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 2 Bias		Nbr of measurements: 537

Eberline Services In-situ Gamma Slab Measurements		Gamma Surface Measurements	
Maximum:	2.93 nCi/g	Maximum:	93.36 nCi/g
Minimum:	0.05 nCi/g	Minimum:	0.12 nCi/g
Mean:	1.04 nCi/g	Mean:	6.01 nCi/g
Standard Deviation:	0.87 nCi/g	Standard Deviation:	9.98 nCi/g
DOP Slab Limits:	7 nCi/g	DOP Surface Limits:	100 nCi/g

Total nCi: 7.60E+08

Total Grams WGPu: 6.26E-02

Eberline Services - RFETS
Building 371 Final Survey Results
3/23/2005 12:49 PM

Building 371 Sub-Basement Floor Area Surveys (Conducted 3-6-05, 3-13-05, 3-14-05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)	SNAP Am241 Activity Concentration (nCi/g)	SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
3060513	1125	1	58	6.700	0.120	11.6	<MDA	45.9	52.60	0.390	7.0	2.557	2.9	1
3060511	1125	2	33	3.800	0.060	105.0	<MDA	26.0	29.83	0.390	7.0	1.450	1.7	1
3140504	1125	3	28	3.200	0.050	105.0	<MDA	21.9	25.12	0.390	7.0	1.221	1.4	1
3140503	1125	4	5.6	0.660	0.030	105.0	<MDA	4.5	5.18	0.390	7.0	0.252	0.3	1
3140507	1125	5	4.9	0.580	0.020	105.0	<MDA	4.0	4.55	0.390	7.0	0.221	0.3	1
3060504	1117	6	20	2.300	0.050	105.0	<MDA	15.8	18.06	0.390	7.0	0.878	1.0	1
3060501	1117	7	23	2.700	0.050	105.0	<MDA	18.5	21.20	0.390	7.0	1.030	1.2	1
3140508	1125	8	17	2.000	0.050	105.0	<MDA	13.7	15.70	0.390	7.0	0.763	0.9	1
3060506	1117	9	18	2.000	0.040	79.9	<MDA	13.7	15.70	0.390	7.0	0.763	0.9	1
3140501	1117	10	19	2.200	0.050	105.0	<MDA	15.1	17.27	0.390	7.0	0.840	1.0	1
3140505	1125	11	4	0.470	0.020	105.0	<MDA	3.2	3.69	0.390	7.0	0.179	0.2	1
3060516	1117	12	58	6.700	0.080	105.0	<MDA	45.9	52.60	0.390	7.0	2.557	2.9	1
3060505	1117	13	9	1.100	0.030	105.0	<MDA	7.5	8.64	0.390	7.0	0.420	0.5	1
3060512	1125	14	35	4.000	0.060	105.0	<MDA	27.4	31.40	0.390	7.0	1.527	1.7	1
3060502	1117	15	1	0.121	0.020	106.0	<MDA	0.8	0.95	0.390	7.0	0.046	0.1	1
3140502	1125	B1	7	0.810	0.030	105.0	<MDA	5.5	6.36	0.390	7.0	0.309	0.4	1
3140506	1125	B2	8.5	1.000	0.030	105.0	<MDA	6.9	7.85	0.390	7.0	0.382	0.4	1

Notes:

1) Floor survey areas are equivalent to 4 sq.ft. each, unless indicated with an asterisk* All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
   Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
   Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

Survey Area: G	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 16 Bias		Nbr of measurements: 1761

Eberline Services In-situ Gamma Slab Measurements

Maximum:	5.12 nCi/g
Minimum:	0.00 nCi/g
Mean:	0.45 nCi/g
Standard Deviation:	1.19 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	9.76 nCi/g
Minimum:	1.02 nCi/g
Mean:	1.01 nCi/g
Standard Deviation:	0.61 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 5.04E+08

Total Grams WGPu: 4.15E-02

Eberline Services - RFETS
Building 371 Final Survey Results
3/23/2005 12:50 PM

Building 371 Sub-Basement Floor Area Surveys Area (Conducted 2/28/05, 3/1/05, 3/2/05, 3/6/05)

Spectrum File ID	Room(s)	Area	SNAP Am241 Detected Activity (uCi)		SNAP Am241 Activity Concentration (nCi/g)		SNAP Am241 Concentration MDA (nCi/g)	SNAP Am241 2-Sigma Error (%)	SNAP Pu-239 Activity Concentration (nCi/g)	Pu-239/240 Activity Concentration (nCi/g)	Total Alpha Concentration (Am-241+ Pu-239/240) (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Estimated Average Pu-239/240 Slab Activity Concentration (nCi/g)	Estimated Average Pu-239/240+Am-241 Slab Activity Concentration (nCi/g)	Case (see note 4)
2280507	1103	1	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280506	1103	2	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3060534	1232	3		226		11.700	0.133	9.2	<MDA	80.15	91.85	0.390	7.0	4.465	5.117	1
3020502	1216	4	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
2280504	1105	5		0.16		0.019	0.009	110.0	<MDA	0.13	0.15	0.390	7.0	0.007	0.008	1
3020503	1216	6	<	0.1	<	0.008	0.008	na	<MDA	0.05	0.06	0.390	7.0	0.003	0.003	2
3010503	1006	7	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280502	1115	8	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
2280509	1101	9	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3010501	1004	10	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280503	1115	11	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2
3010513	1210	12		0.1		0.010	0.008	117.0	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	1
3010502	1006	13	<	0.3	<	0.034	0.034	na	<MDA	0.23	0.27	0.390	7.0	0.013	0.015	2
2280501	1113	14	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280508	1103	15	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
2280505	1105	B1		4.2		0.490	0.011	105.0	<MDA	3.36	3.85	0.390	7.0	0.187	0.214	1
3010504	1115	B2		3.8		0.437	0.017	105.0	<MDA	2.99	3.43	0.390	7.0	0.167	0.191	1
3010505	1115	B3		3.9		0.458	0.016	105.0	<MDA	3.14	3.60	0.390	7.0	0.175	0.200	1
3010506	1115	B4		3.1		0.365	0.015	105.0	<MDA	2.50	2.87	0.390	7.0	0.139	0.160	1
3010507	1115	B5		6.8		0.787	0.017	105.0	<MDA	5.39	6.18	0.390	7.0	0.300	0.344	1
3010508	1119	B6		18.4		2.140	0.037	105.0	<MDA	14.66	16.80	0.390	7.0	0.817	0.936	1
3010509	1115	B7		50.4		5.870	0.052	105.0	<MDA	40.21	46.08	0.390	7.0	2.240	2.567	1
3010510	1115	B8		16.9		1.970	0.030	105.0	<MDA	13.49	15.46	0.390	7.0	0.752	0.862	1
3010511	1105	B9		6.4		0.745	0.023	105.0	<MDA	5.10	5.85	0.390	7.0	0.284	0.326	1
3010512	1105	B10		5.9		0.688	0.025	105.0	<MDA	4.71	5.40	0.390	7.0	0.263	0.301	1
3020501	Stair 5	B11	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020504	1216	B12	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020505	1210	B13	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020306	1210	B14	<	0.1	<	0.009	0.009	na	<MDA	0.06	0.07	0.390	7.0	0.003	0.004	2
3020507	1107	B15		5.3		0.618	0.025	105.0	<MDA	4.23	4.85	0.390	7.0	0.236	0.270	1
3020508	1103	B16	<	0.1	<	0.010	0.010	na	<MDA	0.07	0.08	0.390	7.0	0.004	0.004	2

Notes:

1) Floor survey areas are equivalent to 1 sq.meter each. Sump surveys are based upon actual dimensions of each sump. All nuclide activities are assumed to be distributed evenly within the area surveyed.
2) < sign indicates a non-detect; value is below the MDA for that measurement.
3) Activity per gram values for each isotope are taken from TBD-00076, Activities for Isotopes of Concern in Weapons Plutonium as a Function of Time, for 36 year old plutonium.
4) Am241 and Pu239 determinations are based on one of two cases listed below:
   Case 1 - only Am241 was detected. Pu239/Pu240 is estimated based on a 36 year-old RFETS WgPu ratio of: 6.85
   Case 2 - no Am241 or Pu239 peaks were detected. Results for Am241 are reported at the MDA, and Pu239 is determined from RFETS WgPu ratios.

ATTACHMENT D

SUMMARY OF GAMMA SURVEY RESULTS FOR AREAS A - G

Survey Area: A	Survey Unit: DOP	Building: 374

Description: Bldg. 374 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 3 Bias		Nbr of measurements: 1578

Eberline Services In-situ Gamma Slab Measurements

Maximum:	0.092 nCi/g
Minimum:	0.002 nCi/g
Mean:	0.011 nCi/g
Standard Deviation:	0.024 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	1.97 nCi/g
Minimum:	0.04 nCi/g
Mean:	0.28 nCi/g
Standard Deviation:	0.07 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 6.07E+06

Total Grams WGPu: 5.00E-04

Survey Area: B	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 5 Bias		Nbr of measurements: 128

Eberline Services In-situ Gamma Slab Measurements

Maximum:	0.079 nCi/g
Minimum:	0.004 nCi/g
Mean:	0.013 nCi/g
Standard Deviation:	0.024 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	0.51 nCi/g
Minimum:	0.20 nCi/g
Mean:	0.40 nCi/g
Standard Deviation:	0.06 nCi/g
DOP Surface Limits:	100 nCi/g

Total nCi: 4.23E+05

Total Grams WGPu: 3.48E-05

Survey Area: C	Survey Unit: DOP	Building: 371

Description: Bldg. 371 DOP Scans

Rocky Flats Enviromental Technology Site Decommissioning Operational Plan

DOP Activity Measurements

Nbr of Measurements 15 Random 3 Bias		Nbr of measurements: 4375

Eberline Services In-situ Gamma Slab Measurements

Maximum:	0.19 nCi/g
Minimum:	0.002 nCi/g
Mean:	0.02 nCi/g
Standard Deviation:	0.05 nCi/g
DOP Slab Limits:	7 nCi/g

Gamma Surface Measurements

Maximum:	2.23 nCi/g
Minimum:	0.07 nCi/g
Mean:	0.38 nCi/g
Standard Deviation:	0.12 nCi/g
DOP Surface Limits:	100 nCi/g

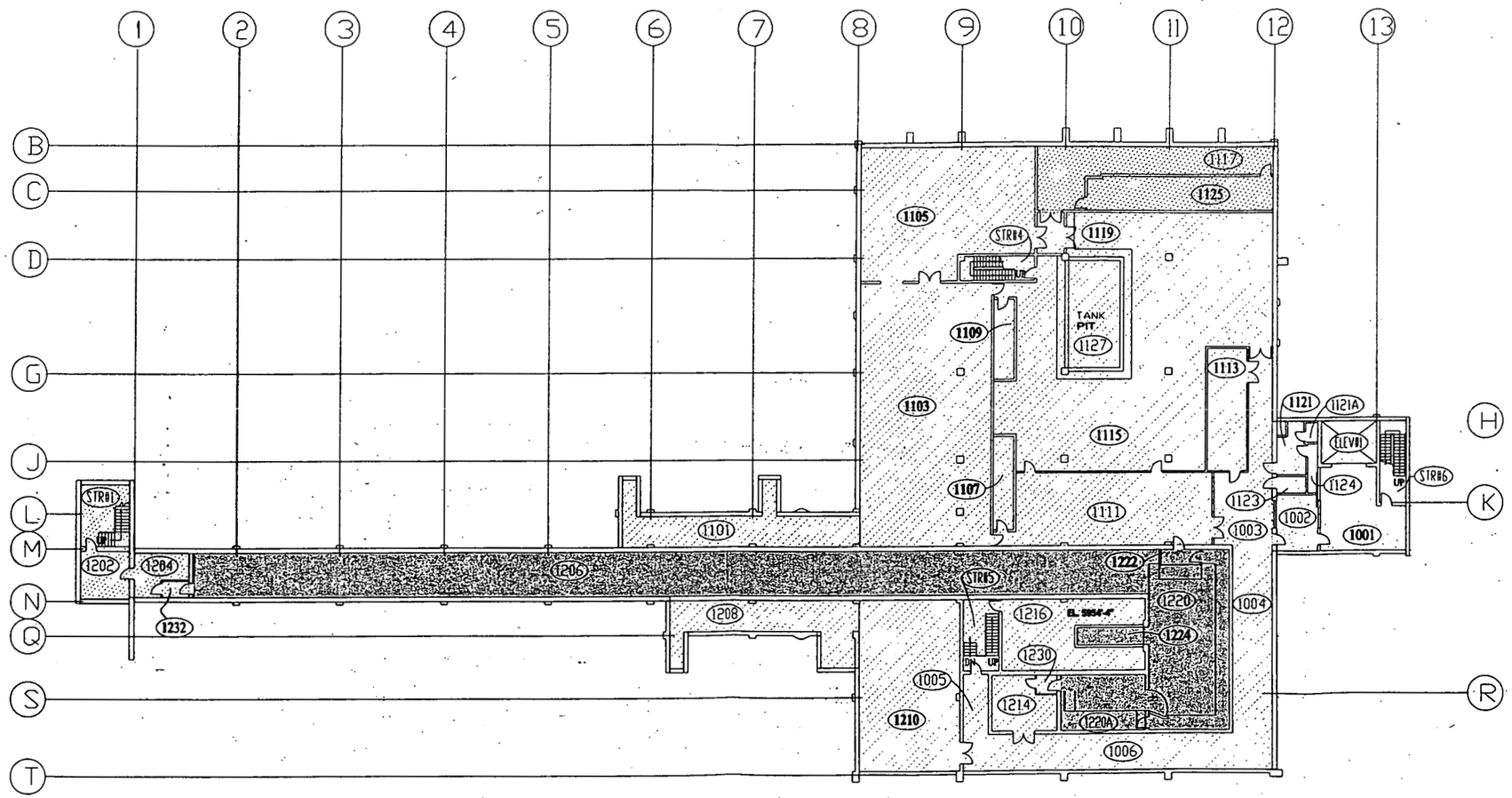
Total nCi: 5.21E+07

Total Grams WGPu: 6.33E-01

PRE-DEMOLITION SURVEY FOR BUILDING 371\374

BUILDING 371/374 DOP SURVEY AREAS

BUILDING 371 SUB-BASEMENT
FOR INFORMATION ONLY



Notes:

SURVEY MAP LEGEND

- DOP Survey Area B - 1710 sq. m.
- DOP Survey Area E - 468 sq. m.
- DOP Survey Area F - 180 sq. m.
- DOP Survey Area G - 1600 sq. m.

N

Scan Survey Information

Survey Instrument ID #(s) & RCT ID #(s):

0 FEET 18

0 METERS 6

DRAWING NOT TO SCALE

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for: KAISER HILL

FINAL

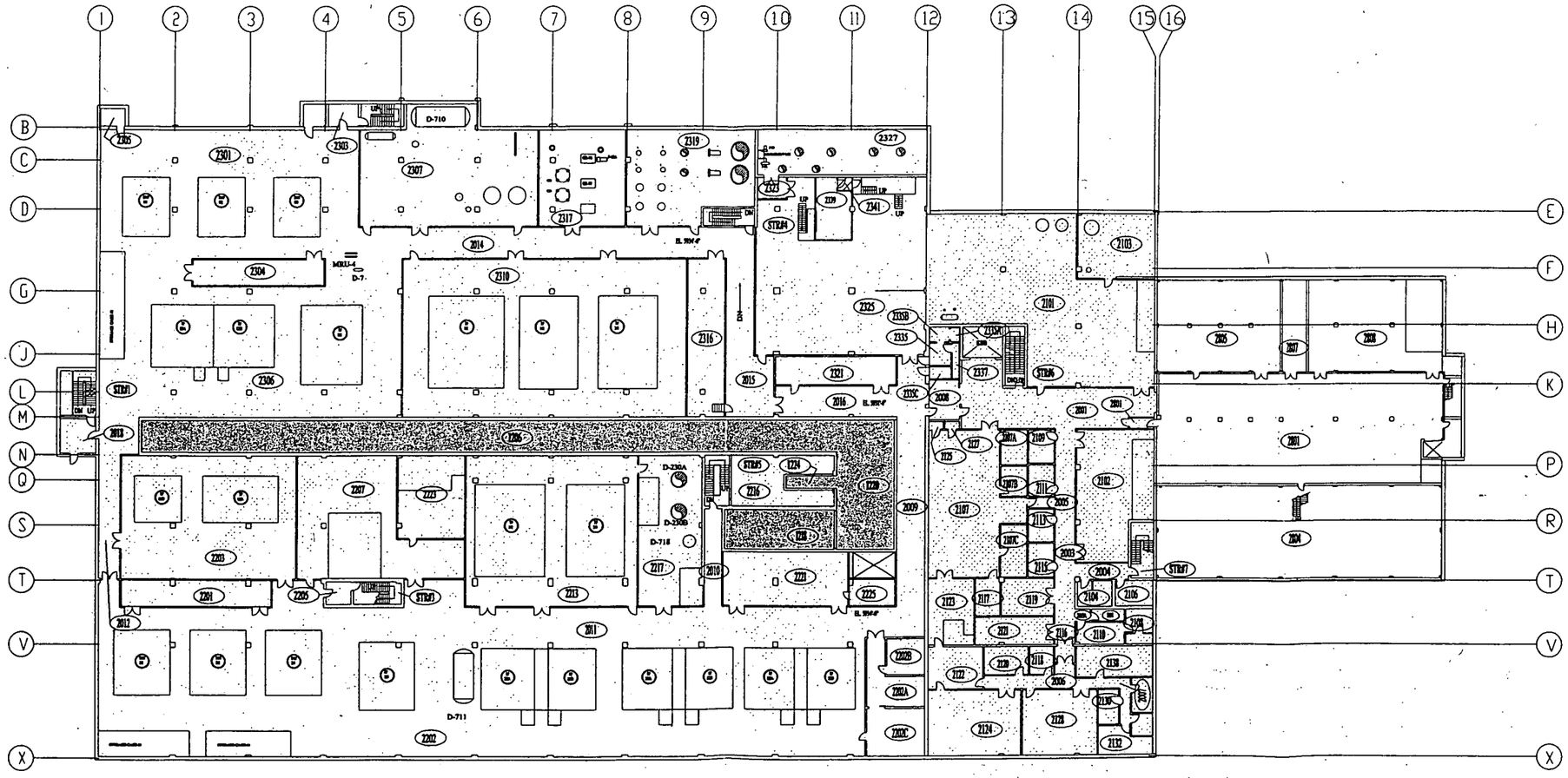
MAP ID: 371-374Sub-Base-DOP

Nov. 3, 2004

PRE-DEMOLITION SURVEY FOR BUILDING 371\374

BUILDING 371/374 DOP SURVEY AREAS

BUILDING 371/374 BASEMENT
FOR INFORMATION ONLY



Notes:

SURVEY MAP LEGEND

- DOP Survey Area A - 1150 sq. m.
- DOP Survey Area B - 1710 sq. m.
- DOP Survey Area C - 5450 sq. m.
- DOP Survey Area D - 1080 sq. m.
- DOP Survey Area E - 460 sq. m.

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):

N

0 FEET 18

0 METERS 6

DRAWING NOT TO SCALE

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for:

FINAL

MAP ID: 371-374371-Base_DOP

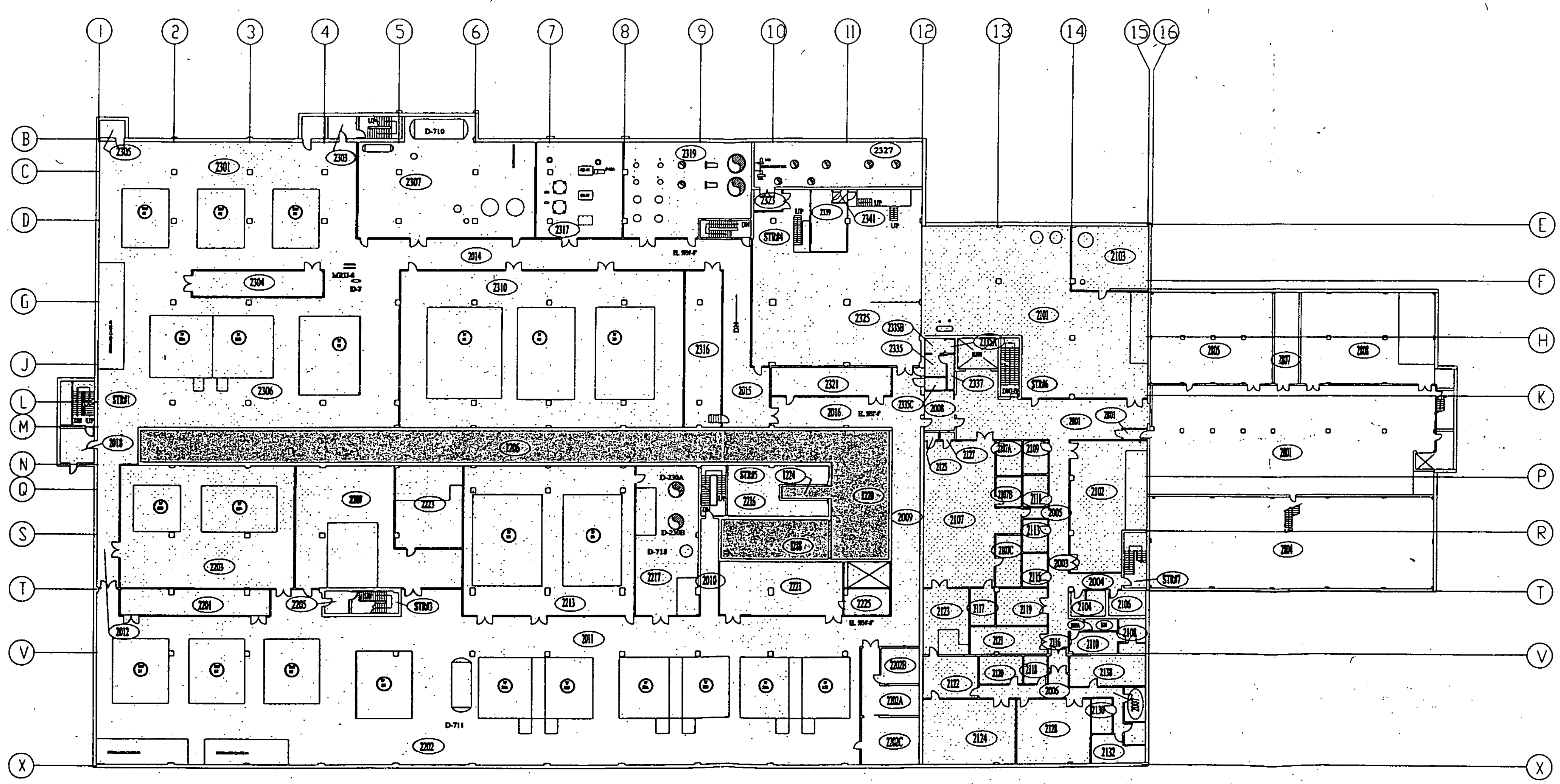
Nov. 3, 2004

PRE-DEMOLITION SURVEY FOR BUILDING 371\374

BUILDING 371/374 DOP SURVEY AREAS

PAGE 1 OF 2

BUILDING 371/374 BASEMENT
FOR INFORMATION ONLY



Notes:

SURVEY MAP LEGEND

- DOP Survey Area A - 1150 sq. m.
- DOP Survey Area B - 1710 sq. m.
- DOP Survey Area C - 5450 sq. m.
- DOP Survey Area D - 1000 sq. m.
- DOP Survey Area E - 460 sq. m.

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):

N

0 FEET 18

0 METERS 6

DRAWING NOT TO SCALE

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for: KAISER HILL

FINAL

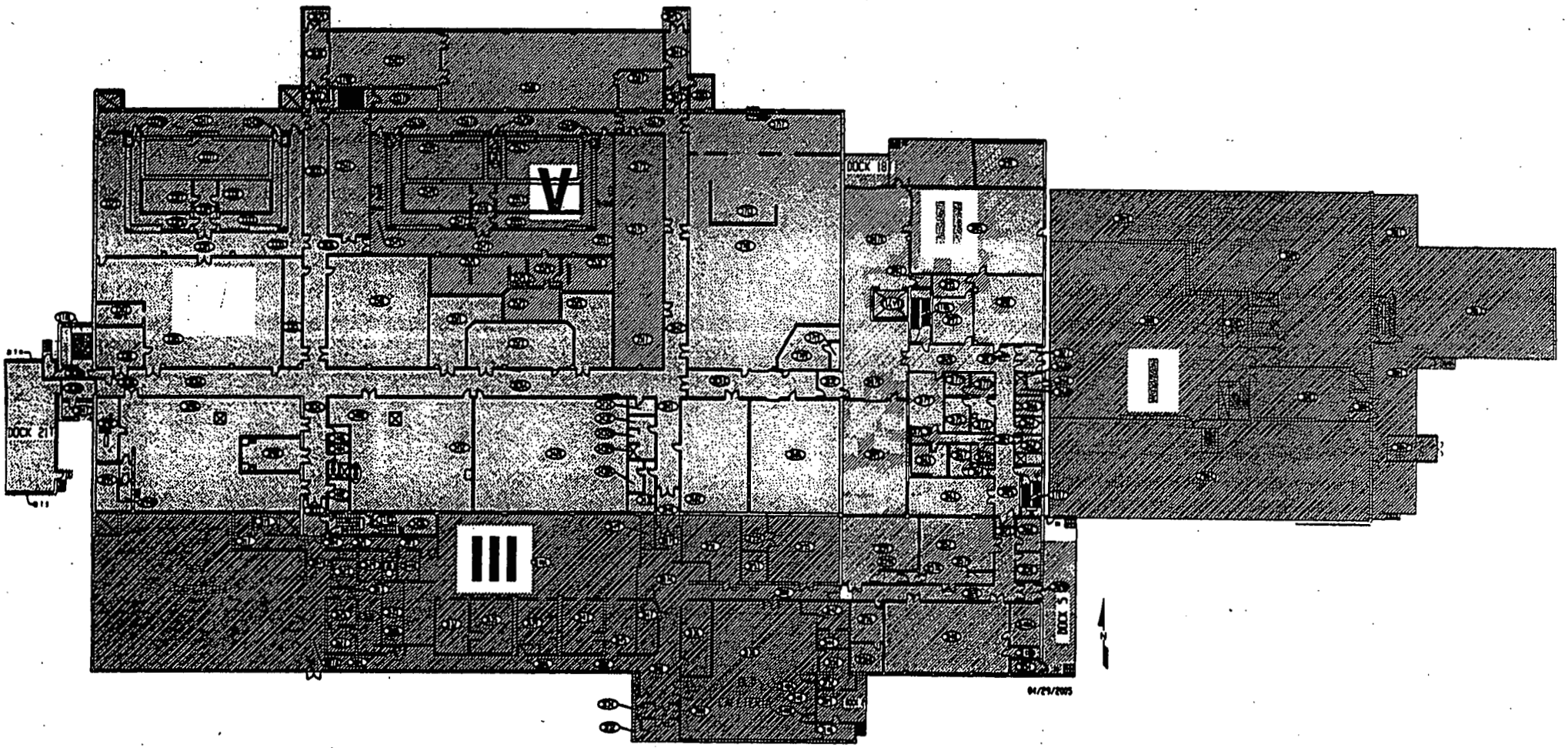
MAP ID: 371-374371-Base_DOP

Nov. 3, 2004

ATTACHMENT E

DEMOLITION PHASES I - V

FINAL STATUS SURVEY REPORT
Phase IV & V of B371



Rocky Flats Environmental Technology Site

Building 371/374 Closure Project Characterization Plan

REVISION 0

December 12, 2004

TABLE OF CONTENTS

TABLES

ATTACHMENTS

1.0 INTRODUCTION

This Characterization Plan identifies the characterization and verification approach for portions of Building 371/374 that will undergo Pre-Demolition Survey, as well as areas that contain fixed areas of contamination (areas below six feet below final grade). The objective of this characterization plan is three-fold:

(1) Ensure that building surfaces within six feet of final grade are decontaminated to appropriate release criteria (with exceptions for areas to be disposed as low-level waste).
(2) Ensure that building surfaces within six feet of final grade that do not meet unrestricted release criteria are properly characterized for shipment as Surface Contaminated Objects (SCO).
(3) Ensure the nature and extent of contamination in areas below six feet below final grade is adequately defined, and ensure the material that will be left in place is consistent with the framework for contaminated soil (as stated in the 371 Closure Project Decommissioning Operations Plan, Rev. 1, Modification 4 (DOP), dated December 12, 2003).

All building surfaces, including areas that remain in place after backfilling, will be characterized in accordance with this project-specific characterization package. This package has been prepared in accordance with the Decontamination and Decommissioning Characterization Protocol, Pre-Demolition Survey Plan, and the Industrial Area Sampling and Analysis Plan. The slab and structure within 0 to 6 feet of the final proposed grade will be decontaminated to unrestricted release criteria (or removed), and 0 to 3.5 feet will be removed during demolition. The Building 371/374 slab and structure below 6 feet of the final proposed grade will be decontaminated to ensure that it will not exceed 7 nCi/g (over depth of volume) and/or 100 nCi/g (surficial), averaged over $1m^2$ (or removed). The described characterization methods are based on the Data Quality Objectives of the Pre-Demolition Survey Plan (PDSP) and the Industrial Area Sampling and Analysis Plan (IASAP)(DOE 2001a).

2.0 CONTAMINANTS OF CONCERN

The contaminant of concern in Building 371/374 is weapons-grade plutonium, which consists primarily of Pu-239/240 and Am-241 (which is present as a result of ingrowth from the decay of Pu-241). These three isotopes represent over 98% of the total activity per gram of WGP. Uranium was also present in these buildings, to a lesser extent; however, transuranic limits are applied, conservatively, during radiological surveys. Alpha-only surveys are conducted for purposes of Pre-Demolition Survey, as documented in Technical Basis Document 00157, *Basis for Performing Solely Alpha Contamination Surveys for Building 371/374*, Revision 1, dated June 30, 2000. This Technical Basis Document is included in Attachment A.

3.0 APPROACH

B371/374 will be demolished in a "phased" approach that consists of five distinct phases. These phases are defined as follows:

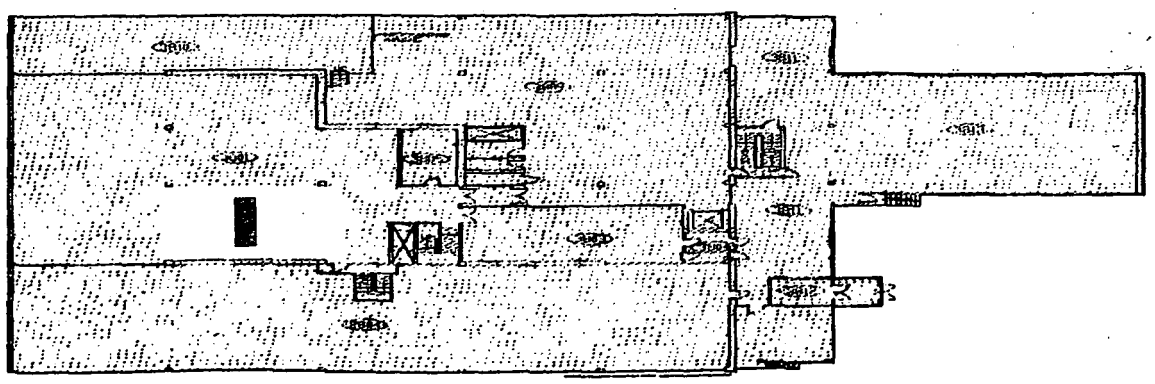
Phase I	-	B374 Process Areas
Phase II	-	B374 Administrative Areas
Phase III	-	B371 Administrative Areas
Phase IV	-	B371 Process Areas (excluding process canyon rooms)
Phase V	-	B371 Canyon Rooms

This characterization plan addresses each phase of demolition. A summary map depicting each phase indicated above is included in Attachment B. In addition, the verification approach for areas greater than six feet below grade is addressed in Section 11.0.

4.0 PHASE I AREAS (B374 PROCESS AREAS)

Phase I of this plan consists of the B374 process areas. B374 was a process waste treatment facility. It consists of a main floor, basement, and mezzanine that housed tanks for receiving and storing liquid process wastes. It also included drum handling and storage areas, mechanical equipment areas, and utility areas. This area is a reinforced concrete structure located adjacent to the east side of B371. This phase includes areas above and below six feet below final grade.

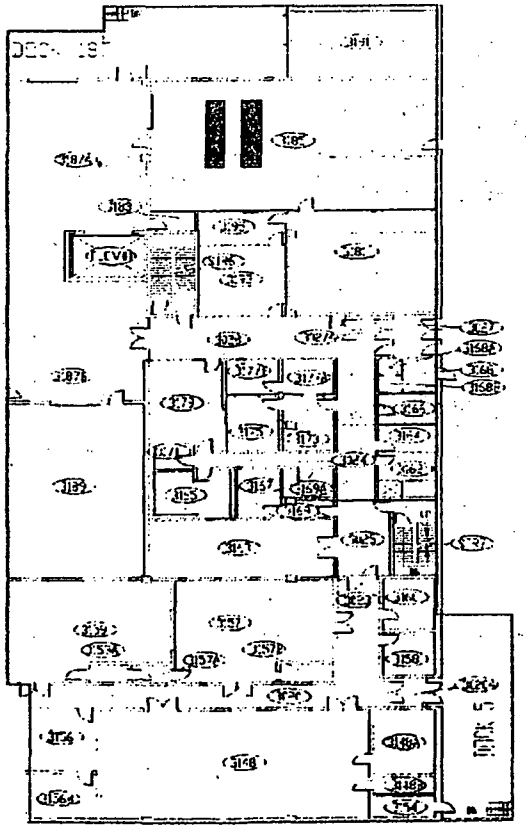
Building surfaces within six feet of final grade will receive radiological surveys consistent with PDSP requirements to the unrestricted release limit. Any paint left in place in Class I and Class II areas will be sampled (as process history deems necessary) to ensure no contamination exists in the paint. No media sampling will be required for areas in which remediation/paint removal has been conducted. Remaining systems/equipment that will remain for demolition will receive radiological surveys in accordance with 3-PRO-165-RSP-7.02, *Contamination Monitoring Requirements*. Potentially contaminated systems/equipment will be identified as a part of the characterization process and removed as low-level waste during demolition. This approach, when utilized, will be appropriately discussed in the applicable Pre-Demolition Survey Report (PDSR). Areas greater than six feet below final grade are discussed in Section 11.



5.0 PHASE II AREAS (B374 ADMINISTRATIVE AREAS)

Phase II of this plan consists of the B374 administrative areas as well as areas used for waste drum storage and movement. Phase II areas of the building housed administrative areas, drum handling/storage areas, mechanical equipment areas, and utility areas. This phase includes areas above and below six feet below final grade.

All building surfaces in Phase II will receive radiological surveys consistent with PDSP requirements to the unrestricted release limit. This includes areas greater than six feet below final grade. Since process history indicates that a majority of surfaces in Phase II areas greater than six feet below final grade have very low potential for contamination (mostly administrative / utility functions), these areas will also receive radiological surveys consistent with PDSP requirements. Any paint left in place in Class I and Class II areas will be sampled (as process history deems necessary) to ensure no contamination exists in the paint. No media sampling will be required for areas in which remediation / paint removal has been conducted. Remaining systems/equipment that will remain for demolition will receive radiological surveys in accordance with 3-PRO-165-RSP-7.02, *Contamination Monitoring Requirements*. Potentially contaminated systems/equipment will be identified as a part of the characterization process and removed as low-level waste during demolition. This approach, when utilized, will be appropriately discussed in the applicable Pre-Demolition Survey Report (PDSR).

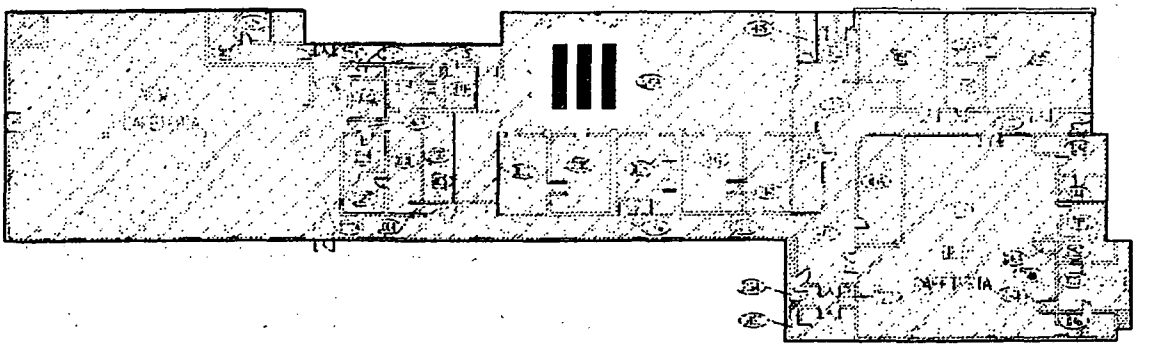


6.0 PHASE III AREAS (B371 ADMINISTRATIVE AREAS)

Phase III of this plan consists of the B371 administrative areas. Areas in Phase III housed mainly administrative areas and a cafeteria. In addition, this area included the electrical and maintenance support shops. This phase encompasses areas above six feet below final grade only.

Building surfaces within six feet of final grade will receive radiological surveys consistent with PDSP requirements to the unrestricted release limit. Any paint left in place in Class I and Class II areas will be sampled (as process history deems necessary) to ensure no contamination exists in the paint. No media sampling will be required for areas in which remediation/paint removal has been conducted. Remaining systems/equipment that will remain for demolition will receive radiological surveys in accordance with 3-PRO-165-RSP-7.02, *Contamination Monitoring Requirements*. Potentially contaminated systems/equipment will be identified as a part of the characterization process and removed as low-level waste during demolition. This approach, when utilized, will be appropriately discussed in the applicable Pre-Demolition Survey Report (PDSR).

Areas greater than six feet below final grade are discussed in Section 11.

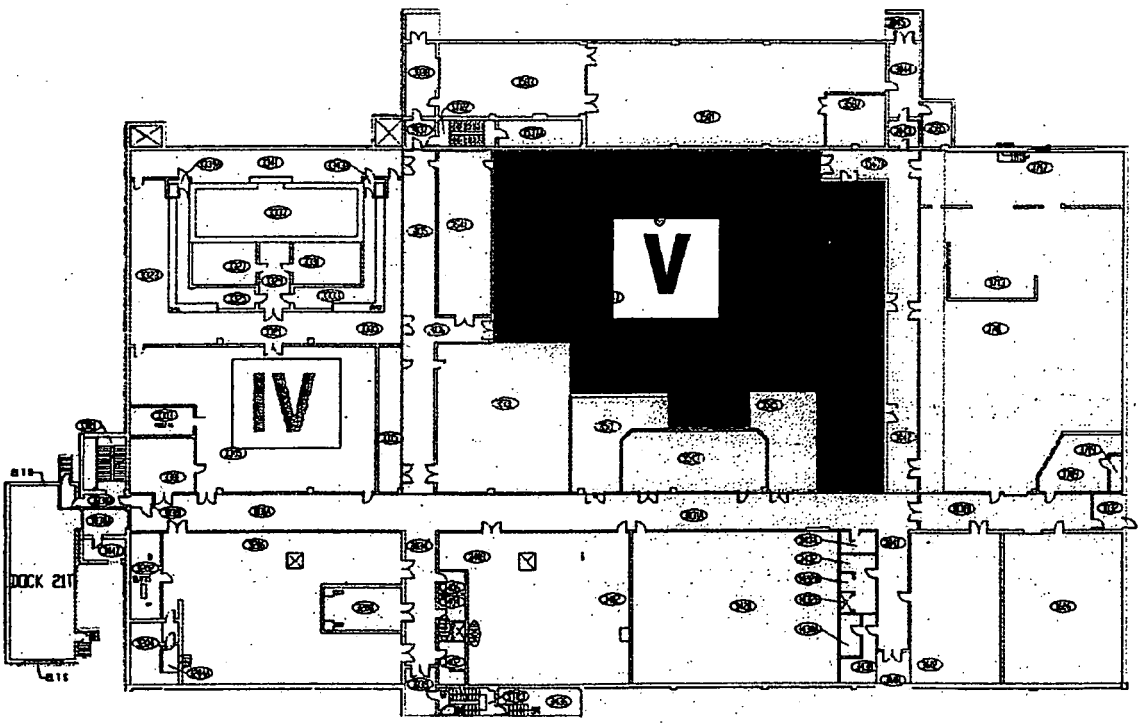


7.0 PHASE IV AREAS (B371 PROCESS AREAS)

Phase IV of this plan consists of the B371 process areas located in the attic, ground floor, basement, and sub-basement. Areas in Phase IV were the main areas for plutonium recovery. It contains four levels of reinforced concrete containing approximately 325,000 ft^2. The sub-basement level consists of primarily the lower part of the CSV and maintenance bay, and small plutonium processing areas. The basement area housed the heating, ventilation, and air conditioning (HVAC) equipment and mechanical utilities, as well as the upper portion of the CSV and maintenance bay, and small plutonium processing areas. The ground floor contained the majority of the plutonium recovery processing equipment, including tanks and gloveboxes. The attic provided protected space for air distribution systems, chemical piping, electrical conduit, and motor generators. This phase includes areas above and below six feet below final grade.

Building surfaces within six feet of final grade will receive radiological surveys consistent with PDSP requirements to the unrestricted release limit. Any paint left in place in Class I and Class II areas will be sampled (as process history deems necessary) to ensure no contamination exists in the paint. No media sampling will be required for areas in which remediation/paint removal has been conducted. Remaining systems/equipment that will remain for demolition will receive radiological surveys in accordance with 3-PRO-165-RSP-7.02, *Contamination Monitoring Requirements*. Potentially contaminated systems/equipment will be identified as a part of the characterization process and removed as low-level waste during demolition. This approach, when utilized, will be appropriately discussed in the applicable Pre-Demolition Survey Report (PDSR).

Areas greater than six feet below final grade are discussed in Section 11.



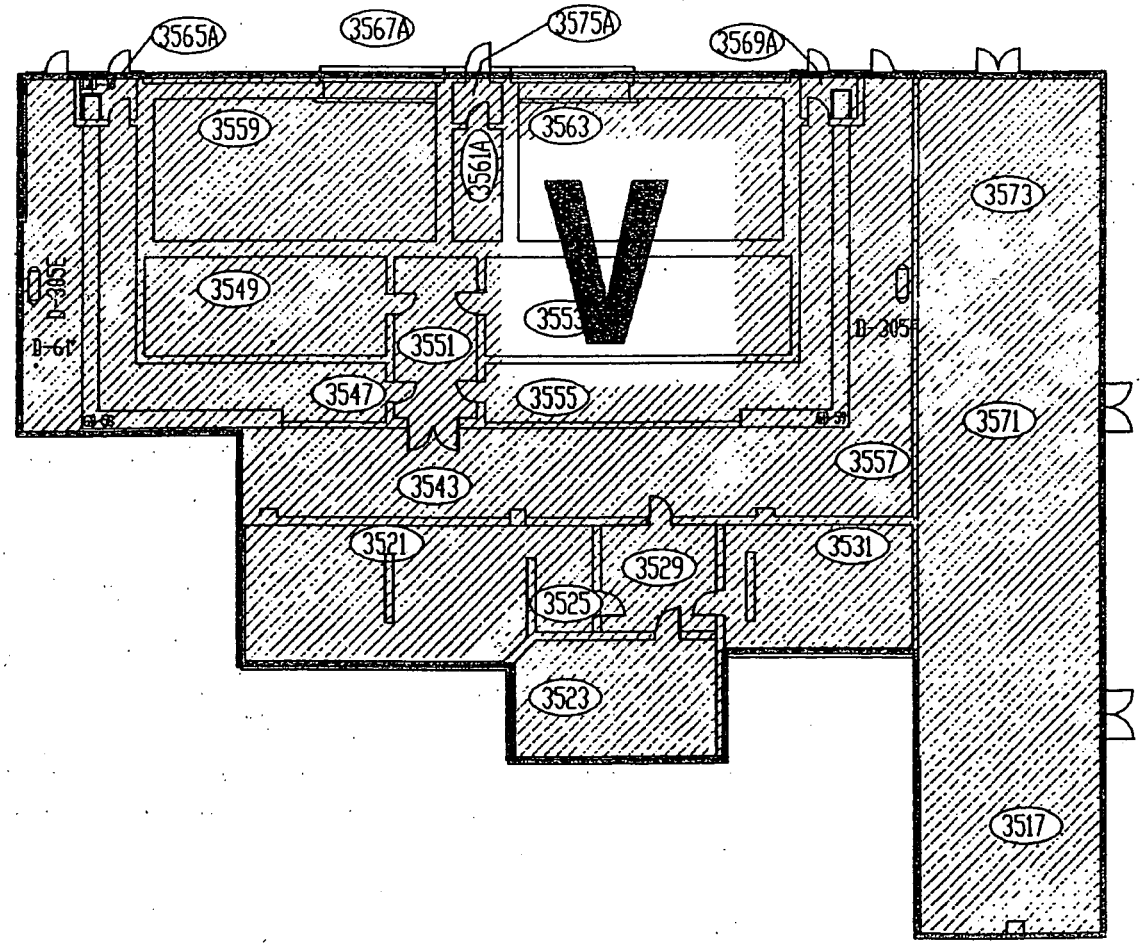
8.0 PHASE V AREAS (PROCESS CANYON AREAS)

Phase V areas include the oxide/residue tank vaults, ion exchange canyons/valve maintenance corridors, and the fluorination/reduction canyons. These areas will be disposed of as low-level waste and removed prior to and during demolition. Characterization of these areas will demonstrate the extent and magnitude of the existing radiological contamination prior to demolition. The final characterization of Phase V areas will include surveys on accessible floors, interior walls and ceiling surfaces. This final characterization will also include investigations of remaining imbedded piping to ensure waste acceptance criteria and Department of Transportation guidelines are met.

Final characterization data will enable project personnel to:

- Finalize the work area controls required prior to / during the demolition to minimize potential dose to the immediate and collocated worker, the environment, and the public from exposure to DOE-added radioactive material
- Verify appropriate Waste Acceptance Criteria (WAC) for demolition debris are met.
- Model the emissions that could result from the demolition activity for the immediate and collocated workers, and the public.

An appropriate fixative (e.g., latex paint, 3M FireDam, etc.) will be applied to floor, wall, and ceiling surfaces to ensure that no removable contamination in excess of regulatory limits exists. Since significant amounts of radioactivity remain on floor surfaces, all floors will be remediated to SCO levels prior to the application of fixative. Wall and ceiling characterization efforts for Phase V areas reveal that these surfaces currently meet SCO criteria.



9.0 EXISTING CHARACTERIZATION DATA (AREAS BELOW 6 FT BELOW GRADE)

The locations of the existing random *in-situ* data were selected per the requirements of RSP-09.09, *Radiological Characterization of Low Specific Activity Waste by Field Sampling and Analysis*. This procedure describes a method to calculate conservative estimates of material activity concentration based on random sampling and calculation of the upper confidence limit (UCL_{95}) of the mean concentration. The statistical evaluation also assumes a lognormal distribution with the intention of biasing results high to provide a high degree of confidence that no transportation or waste acceptance criteria is exceeded. However, because areas exceeding the specified limits have been identified through this sampling effort, no statistical evaluation of the existing data set was performed. However, a statistical evaluation will be performed for verification sample data, as described in Section 8.0.

The basement and sub-basement was treated as one characterization unit only to identify areas that may exceed specified DOP limits. Twenty-nine random *in-situ* measurements were collected in these areas. Fourteen additional biased *in-situ* measurements were collected in rooms or areas in which fixed contamination was supported by process history. Twenty-eight (28) paint samples were collected on the basement and sub-basement level of Building 371 as part of the Reconnaissance Level Characterization (RLC) effort. In addition, one hundred eighty (180) paint samples were taken in these areas in November 2003.

Additionally, seventy-one (71) *in-situ* data points were collected on structural walls and ceilings utilizing portable gamma detection instrumentation. None of these data points exceeded 100 nCi/g at the surface and/or 7 nCi/g averaged over the wall/ceiling depth. Excluding Rooms 1117 and 1125, the *in-situ* gamma detection data indicates the average volumetric activity is approximately 0.8 nCi/g for the slab and 0.02 nCi/g for the wall/ceiling surfaces, indicating that greater than 97% of the remaining activity exists in the slab. Therefore, verification scanning will only be completed on floors of these areas for purposes of DOP compliance. Data collected on the wall surfaces of Rooms 1117 and 1125 indicate contamination that is more evenly distributed. However, none of the data collected indicated fixed contamination in excess of DOP limits. Due to the process history and collected data results, floors, walls, and ceilings in Rooms 1117 and 1125 will be scanned for DOP compliance purposes. Summary maps and results (*in-situ* gamma spectroscopy) for the basement and sub-basement levels of Buildings 371/374 is presented in Attachment C.

10.0 POST-REMEDIATION SCANNING (> 6' BELOW FINAL GRADE)

Following the decontamination of the slab, where required, scans of the slab surfaces will be performed with a qualitative field instrument to verify that all areas in excess of 100 nCi/g, averaged over 1 m^2, have been remediated. Any area flagged as potentially greater than 100 nCi/g will either be remediated or verified to be less than this limit with a quantitative instrument (i.e., in-situ gamma-spectroscopy or laboratory sample analysis method).

11.0 VERIFICATION SAMPLING (> 6' BELOW FINAL GRADE)

Following completion of remediation activities and the collection of biased post-remediation data, an additional verification sampling effort will be performed on slab surfaces that will remain *in-situ* 6' below final grade. The objective is to verify with 95% confidence that the average slab activity is less than 100 nCi/g (surficial), averaged over 1 m^2, and 7 nCi/g (volumetric) Pu-239/240 and Am-241, and to provide an estimate of the average remaining slab activity. The locations of the random sample locations will be selected per a simple non-parametric statistical method (Sign Test) described in Section 8.3 of the MARSSIM manual (refer to Attachment D). Building 371/374 will be divided into six units, and 374 into one unit. Verification sampling survey areas are represented in Table 1 below.

Table 1
Verification Survey Areas (Slab Surfaces > 6' Final Grade)

Verification Survey Area ID	Building	Description	Estimated Surface Area (m^2)
A	374	Basement Areas	1150
B	371	Administrative Areas	1710
C	371	Plenum Areas	5450
D	371	Basement Process Areas	1000
E	371	Sub-basement CSV	460
F	371	Sub-Basement Scrubber Canyons	100
G	371	Sub-Basement Process Areas	1600

The number of samples required will be based on standard deviation estimates derived from existing data, and verified to be adequate based on actual standard deviations. Refer to Attachment E for maps depicting Verification Survey Areas.

12.0 NON-RADIOLOGICAL CONTAMINANTS

The non-radiological contaminants of concern, including beryllium (Be), asbestos (ACM), poly-chlorinated bi-phenyls (PCBs), RCRA contaminants, including lead (Pb), will be evaluated per existing site requirements for demolition. This approach will be used in all areas of the building (above and below six feet below grade), excluding Phase V areas that are being disposed of as low-level waste. A discussion of each contaminant and path forward is provided below.

Beryllium will be evaluated per the requirements of the PDSP. Asbestos shall be removed and controlled per the requirements of Colorado Department of Public Health and Environment Regulation No. 8, Part B, and OSHA 29 CFR 1926.1101. PCB-based paints shall remain in place and the control measures outlined in the Risk-Based Approach memorandum (8EPR-F) shall be implemented during demolition. RCRA contaminants, including any RCRA closures, shall be evaluated per the requirements of the B371 DOP.

13.0 REPORTS

Upon completion of verification sampling, a final report shall be generated that includes the information described below.

- An overview map delineating decontaminated areas and post-remediation sample results.
- The individual verification sample results and statistical evaluation (by survey unit).
- The average remaining activity (by survey area).
- The conclusion for each survey area.

14.0 REFERENCES

DOE, 2001, *Industrial Area Sampling and Analysis Plan*, Rocky Flats Environmental Technology Site, Golden, Colorado, June.

MAN-127-PDSP, *Pre-Demolition Survey Plan for D&D Facilities*, Revision 1, Golden, Colorado, July 15, 2002.

3-PRO-165-RSP-7.02, *Contamination Monitoring Requirements*, Revision 0, Golden, Colorado, February 17, 1998.

PRO-1564-RSP-09.09, *Radiological Characterization of Low Specific Activity Waste by Field Sampling and Analysis*, Revision 0, Golden, Colorado, 9/26/02.

Technical Basis Document 00157, *Basis for Performing Solely Alpha Contamination Surveys for Building 371/374*, Revision 1, dated June 30, 2000.

Attachment A

TBD-00157, *Basis for Performing Solely Alpha Contamination Surveys for Buildings 371/374*

TBD-00157

TBD-00157

Building 371 Technical Position Paper

Basis for Performing Solely Alpha Contamination Surveys for Building 371/374

Rev. 1

June 30, 2000

Prepared by: JT Bruner 6/30/00
JT Bruner — Date
371 Radiological Engineering

Reviewed by: LL Rands 6/30/00
LL Rands — Date
371 Radiological Engineering

Approved by: DJ Wirkus 6/30/00.
DJ Wirkus — Date
Radiological Safety Section Manager, 371

Approved by: W.G. Zupiene 6/30/00
WG Zupiene — Date
Manager Radiation Protection

REVIEWED FOR CLASSIFICATION/UCNI
By
Date 10/24/00

Building 371 Technical Position Paper
Basis for Performing Solely Alpha Contamination Surveys
For Building 371/374

Rev. 1
June 30, 2000

PURPOSE

This paper presents justification for performing radiological surveys for alpha activity only for release of material from Building 371/374. This justification is based on the isotopes present in the building, the ratio of alpha to beta activity and the respective release limits.

BACKGROUND

Building 371 was put into operation in July of 1981. Process knowledge for Building 371 indicates that the primary isotopes used in the building are plutonium (Pu-238, Pu-239, Pu-240, Pu-241 and Pu-242) of varying enrichments, americium (Am-241), to a lesser degree uranium (U-234, U-235, and U-238) of varying enrichments, as well as all of the respective daughter products.

A minimal amount of tritium is present in building 371. Tritium is present only in sealed form. It is used by the passive-active drum counter within the zetatron tube for generation of neutrons. There have been no instances of leaking tubes. However, if a leak occurred, standard instrumentation would not detect the weak beta emissions.

The only other isotopes used in the building have been in the form of sealed sources (such as Sr/Y-90, Se-75, etc.). There have been no recorded instances of any leaking sealed sources.

Building 374 has a separate history. It has received wastes from other buildings. The waste has included both plutonium and uranium in varying enrichments/forms. Building 374 was designed as an aqueous waste treatment facility for treating chemically and/or radiologically contaminated aqueous waste. All potential waste transfers are required by procedure to have waste analysis performed, which includes total alpha, or gross alpha/beta, or g/l Pu, Am, and U, prior to consideration for transfer to Building 374 for treatment.

Regulatory Guidance

The regulations that govern occupational radiation protection at DOE facilities are contained in title 10 part 835 (10CFR835). These regulations were reviewed to ensure that performing surveys for alpha activity only would not result in a non-compliant situation.

10CFR835.401(c)(2) states, "Instruments used for monitoring and contamination control shall be:...Appropriate for the type(s), levels, and energies of the radiation(s) encountered." 10CFR835.404(a) states: "Instruments and techniques used for radioactive contamination monitoring and control shall be adequate to ensure compliance with the requirements specified in this section." A survey is defined in 10CFR835.2(a) as "an evaluation of the radiological conditions and potential hazards incident to the production, use, transfer, release, disposal, or presence of radioactive material or other sources of radiation. When appropriate, such an evaluation includes a physical survey of the location of radioactive material and measurements or calculations of levels of radiation, or concentrations or quantities of radioactive material present."

The RFETS Radiological Control Manual as well as DOE order 5400.5 establish the surface radioactivity limits. The applicable values are contained below in Table 1.

Table 1 – Summary of Contamination Values for Materials and Equipment (dpm/100 cm²)

Nuclide	Removable	Average Total (fixed + removable)	Maximum Total (fixed + removable)
U-natural, U-235, U-238, and associated decay products	1,000	5,000	15,000
Transuranics	20	100	300
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above	1,000	5,000	15,000
Note: Where surface contamination by both alpha and beta-gamma emitting nuclides exists, the limits established for alpha and beta-gamma emitting nuclides apply independently.			

METHODOLOGY

This paper provides justification that beta measurements are unnecessary for many contamination surveys based on the fact that for material contaminated with plutonium, uranium or mixtures of both, the alpha activity release limit is more restrictive than the beta-gamma release limit. Because of the presence of plutonium in building 371, the transuranic release limits are routinely applied.

Technical Basis Document 00146, "Calculation of Beta Activity for Depleted Uranium, Highly Enriched Uranium and Aged Weapons Grade Plutonium" provides beta to alpha activity ratios for both plutonium and uranium. These ratios are summarized in Table 2 below.

Table 2 – Beta to Alpha Activity Ratios for Various Radionuclide Mixtures

Nuclide	Enrichment	Ratio of Beta to Alpha Activity
Plutonium	5 yr old WGPu	3.7
	30 yr old WGPu	1.04
Uranium	Depleted	1.8
	HEU	0.03

Things that can effect the ratio:

Some plutonium heat sources are/have been present in building 371. Some solutions may also be present for fabrication of standards. Due to the amount of Pu-238 present in heat source material, there is a much higher percentage of alpha activity versus beta activity in this type of material.

The only isotope with significant beta activity is Pu-241. The type of plutonium with the highest quantity of Pu-241 would be reactor grade plutonium. The isotopic content of reactor grade Pu as reported in the "Guide of Good Practices for Occupational Radiation Protection in Plutonium Facilities", DOE-STD-1128-98 is

Pu-238	Pu-239	Pu-240	Pu-241	Pu-242
1.5%	58.1%	24.1%	11.4%	4.9%

Reactor grade plutonium was evaluated, although it is not believed that there is any reactor grade plutonium present. Reactor grade represents a "worst-case" situation from a beta activity standpoint. For reactor grade plutonium the beta-gamma activity exceeds the alpha by a factor of nearly 20. However, since the beta release limit is a factor of 50 times higher than the alpha limit, the alpha limit is still more restrictive.

Americium content can also effect the alpha to beta ratio. Much of the plutonium at RFETS contains americium. Some operations actually separated this from the plutonium. However, since Am-241 is an alpha emitter, for mixtures of Am/Pu, the americium content will increase the alpha activity relative to the beta activity.

EXAMPLES:

Free Release: The worst case example for free release would be surveying an item for alpha contamination, using Pu limits and finding contamination just below the alpha release limit, when it turns out the item is contaminated with "fresh" WGPu, or depleted U:

	Measured Alpha Activity(dpm/100 cm²)	
Nuclide	Removable	Total (maximum)
Survey for "Pu"	19	299
	Calculated Beta Activity (dpm/100 cm²)	
5 year old WGPu	70	1,100
Depleted U	34	538

This demonstrates that when using transuranic release limits, even in this situation, the beta activity is well below the beta release limits.

If an item were being surveyed using the uranium free release limits and it was found to be contaminated just below the alpha release limit:

	Measured Alpha Activity	
Nuclide	Removable	Total (maximum)
Survey for "U"	999	14,999
	Calculated Beta Activity	
5 year old WGPu	3,696*	55,496*
Depleted U	1,798*	26,998*
Enriched U	30	450

* - Exceeds release criteria

If uranium release limits are used, then beta surveys must be performed unless it is known that the contamination is highly enriched uranium.

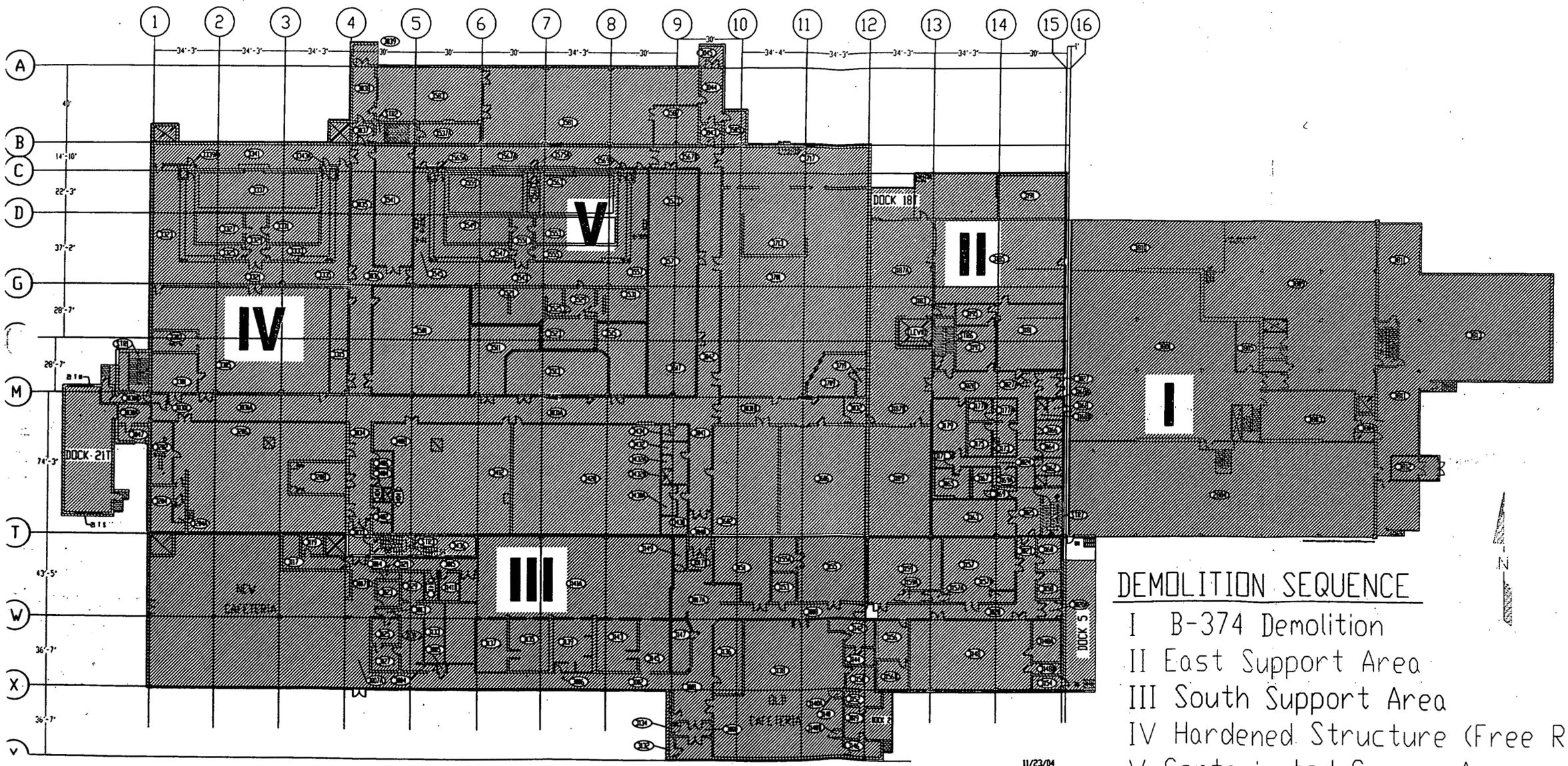
SUMMARY

Alpha contamination surveys may be used independently to adequately assess the radiological contamination of an area or item in building 371/374, provided that the transuranic contamination release limits are being used.

Attachment B

Demolition Phase Map

BUILDING 371/374
DEMOLITION USING CONVENTIONAL METHODS



DEMOLITION SEQUENCE

I B-374 Demolition
II East Support Area
III South Support Area
IV Hardened Structure (Free Release)
V Contaminated Canyon Areas

BUILDING 371/374 GROUNDFLOOR

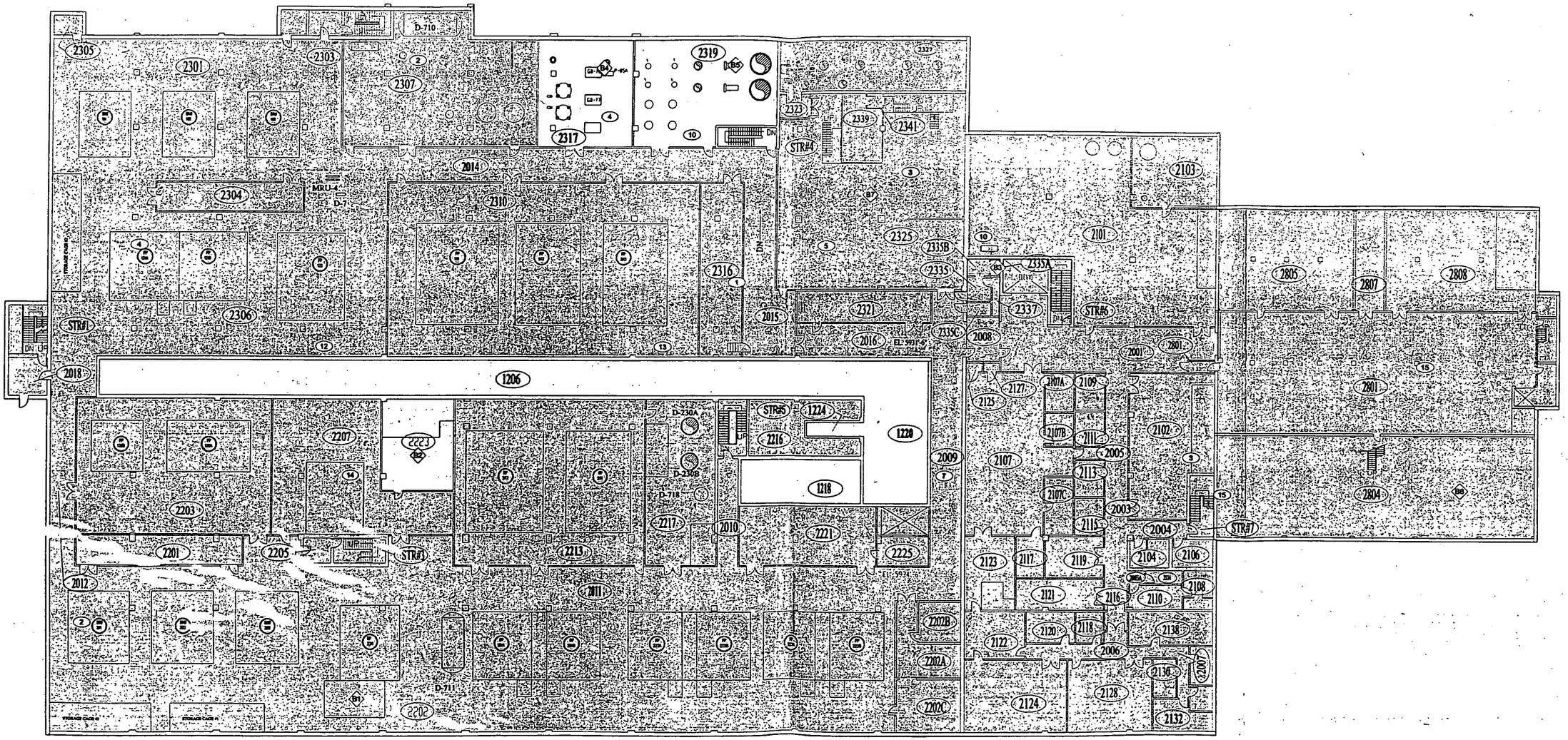
Attachment C

Summary Map and Characterization Results for B371/B374

BUILDING 371/374 SLAB CHARACTERIZATION

Survey Area: N/A **Survey Unit: N/A** **Classification: N/A**
Building: 371 Basement
Survey Unit Description: Floor Area of Basement

BUILDING 371/374 BASEMENT



SURVEY MAP LEGEND

- Random Sample Location (15)
- Bias Sample Location (15)
- <1nCi/g Surface & <.07 Ci/g Avg. Slab
- Between .07 nCi/g & 7 nCi/g Avg. Slab
- >7 nCi/g Avg. Slab or >100 nCi/g Surface

N

0 FEET 45
0 METERS 15

1 inch = 36 feet 1 grid sq. = 1 sq. m.

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for: KAISER-HILL COMPANY

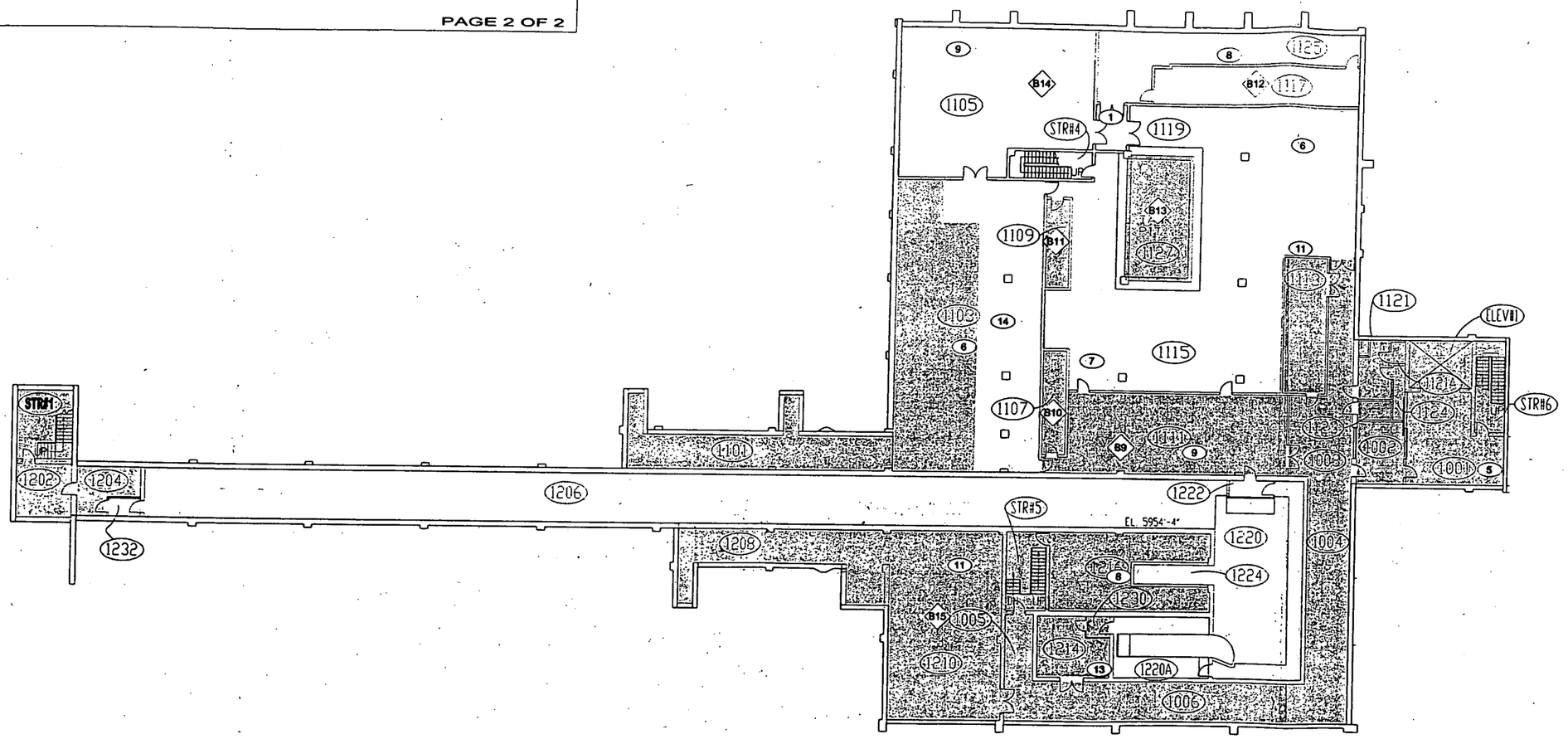
FINAL

MAP ID: 03-0015LAB371-BASE

October 25, 2004

BUILDING 371/374 SLAB CHARACTERIZATION

Survey Area: N/A **Survey Unit: N/A** **Classification: N/A**
Building: 371
Survey Unit Description: Floor Area Sub-Basement



BUILDING 371 SUB-BASEMENT

SURVEY MAP LEGEND

- Random Sample Location (15)
- Bias Sample Location (15)
- <1nCi/g Surface & <.07 Ci/g Avg. Slab
- Between .07 nCi/g & 7 nCi/g Avg. Slab
- >7 nCi/g Avg. Slab or >100 nCi/g Surface

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):

N

0 FEET 40
0 METERS 10
1 inch = 30 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for:

FINAL

MAP ID: 03-0015LAB371-SUB

October 25, 2004

Building 371 Floor Gamma Spec Survey Summary

Map/Room	Map ID		Total Surface Pu-239/240 + Am-241 (nCi/g)	Assumed Contamination Depth (inches)	Assumed Slab Thickness (inches)	Pu-239/240+Am-241 Average Slab Activity Concentration (nCi/g)
Basement/1210	B15		4.79E-01	0.060	7.0	4.11E-03
Basement/1210	11	<	9.38E-02	0.060	7.0	8.04E-04
Basement/1216	8		2.66E-01	0.060	7.0	2.28E-03
Basement/2009	7		1.88E-01	0.060	7.0	1.61E-03
Basement/2101	10	<	8.91E-02	0.060	7.0	7.63E-04
Basement/2102	3	<	1.16E-01	0.060	7.0	9.95E-04
Basement/2202	B1		3.32E-01	0.060	7.0	2.84E-03
Basement/2202	2	<	8.11E-02	0.060	7.0	6.95E-04
Basement/2205	14	<	3.00E-01	0.060	7.0	2.57E-03
Basement/2223	B2		**2.77E+00**	0.060	7.0	2.37E-02
Basement/2306	12		5.26E-02	0.060	7.0	4.51E-04
Basement/2306	4		9.22E-02	0.060	7.0	7.91E-04
Basement/2307	2		6.81E-01	0.060	7.0	5.84E-03
Basement/2310	13		8.27E-02	0.060	7.0	7.09E-04
Basement/2316	1	<	1.13E-01	0.060	7.0	9.68E-04
Basement/2317	4		**4.35E+00**	0.060	7.0	3.73E-02
Basement/2317	B4		**2.18E+01**	0.060	7.0	**1.87E-01**
Basement/2319	10		**1.52E+00**	0.060	7.0	1.30E-02
Basement/2319	B5		3.78E-01	0.060	7.0	3.24E-03
Basement/2325	5		8.67E-02	0.060	7.0	7.43E-04
Basement/2325	3	<	8.51E-02	0.060	7.0	7.29E-04
Basement/2325	B7		1.91E-01	0.060	7.0	1.64E-03
Basement/2335	B3		2.63E-01	0.060	7.0	2.26E-03
Basement/2801	15		8.98E-02	0.060	7.0	7.70E-04
Basement/2804	15		1.41E-01	0.060	7.0	1.21E-03
Basement/2804	B8		8.19E-02	0.060	7.0	7.02E-04
Sub-Basement/1001	5	<	9.30E-02	0.060	7.0	7.97E-04
Sub-Basement/1103	14		**1.28E+00**	0.060	7.0	1.10E-02
Sub-Basement/1103	6		3.57E-01	0.060	7.0	3.06E-03
Sub-Basement/1105	9		**4.39E+01**	0.060	7.0	**3.76E-01**
Sub-Basement/1105	B14		1.92E-01	0.060	7.0	1.65E-03
Sub-Basement/1107	B10		**4.07E+00**	0.060	7.0	3.49E-02
Sub-Basement/1109	B11		2.94E-01	0.060	7.0	2.52E-03
Sub-Basement/1111	9		1.63E-01	0.060	7.0	1.40E-03
Sub-Basement/1111	B9		2.33E-01	0.060	7.0	2.00E-03
Sub-Basement/1115	7		2.27E-01	0.060	7.0	1.95E-03
Sub-Basement/1115	11		**1.07E+00**	0.060	7.0	9.20E-03
Sub-Basement/1115	6		7.80E-01	0.060	7.0	6.69E-03
Sub-Basement/1117	B12		**1.74E+04**	0.060	7.0	**1.49E+02**
Sub-Basement/1119	1		**7.51E+01**	0.060	7.0	**6.43E-01**
Sub-Basement/1125	8		**2.24E+04**	0.060	7.0	**1.92E+02**
Sub-Basement/1127 Pit	B13		7.29E-01	0.060	7.0	6.25E-03
Sub-Basement/1214	13		4.61E-02	0.060	7.0	3.95E-04

<1 and <0.07 nCi/g
Between 1 & 100 nCi/g and between 0.07 & 7 nCi/g
>100 nCi/g or >7 nCi/g

Attachment D

Verification Sampling Statistical Design

Verification Survey Area Statistical Design

Survey Area: A	Building: 374

Survey Unit/Area Description:

B374 Slab Surfaces > 6 ' Final Grade

Step 1: Calculate the relative shift Δ/σ_s.

$\Delta/\sigma_s = (DCGL\text{-}LBGR)/\sigma_s$

where: Δ/σ_s is the relative shift or the resolution of measurements in units of measurement uncertainty (MARSSIM recommends a value between 1 and 3).

DCGL is the derived concentration guideline value (7 nCi/g volumetric & 100 nCi/g surficial)

LBGR is the lower bound of the gray region - the lower bound of the range of values of the parameter of interest in a survey unit where the consequences of making a decision error is relatively minor. The LBGR is typically adjusted to obtain a relative shift between 1 and 3

σ_s is the estimated standard deviation of sample measurements (MARSSIM recommends assuming a 30% coefficient of variation if scoping or characterization data is not available)

Step 2: Determine Sign P using the calculated relative shift and Table 4. Sign p is the estimated probability that a random measurement from the survey unit will be less than the $DCGL_w$ when the survey unit median is actually at the LBGR.

Step 3: Determine Decision Error Percentiles for Z1-α and Z1-β and the selected decision error levelsα and □. Typical (α) and (β) values used at RFETS are 0.05 and 0.05 respectively. This yields a Z1-α and Z1-β value of 1.645 and 1.645 respectively.

Step 4: Calculate Number of Data Points (N) for Sign Test using the following equation:

$$N = \frac{(Z_{1-\alpha} + Z_{1-\beta})^2}{4(Sign\,p - 0.5)^2}$$

$N = (1.645 + 1.645)^2 / 4(\text{Sign P} - 0.5)^2$

$N = (1.645 + 1.645)^2 / 4(0.977250\text{-}0.5)^2 = 11.88$

where:

1.645 is the alpha and beta decision error value (95% confidence) per the PDSP.
Sign P equals 0.977250 for a relative shift of 2.0

Step 4: Increase N by 20% to allow for missing or invalid data points per MARSSIM, Section 5.5.2.3.

$N = 11.88 * 1.2 = 14.25$

Conclusion: **A minimum of 15 measurements will required for each survey area.**

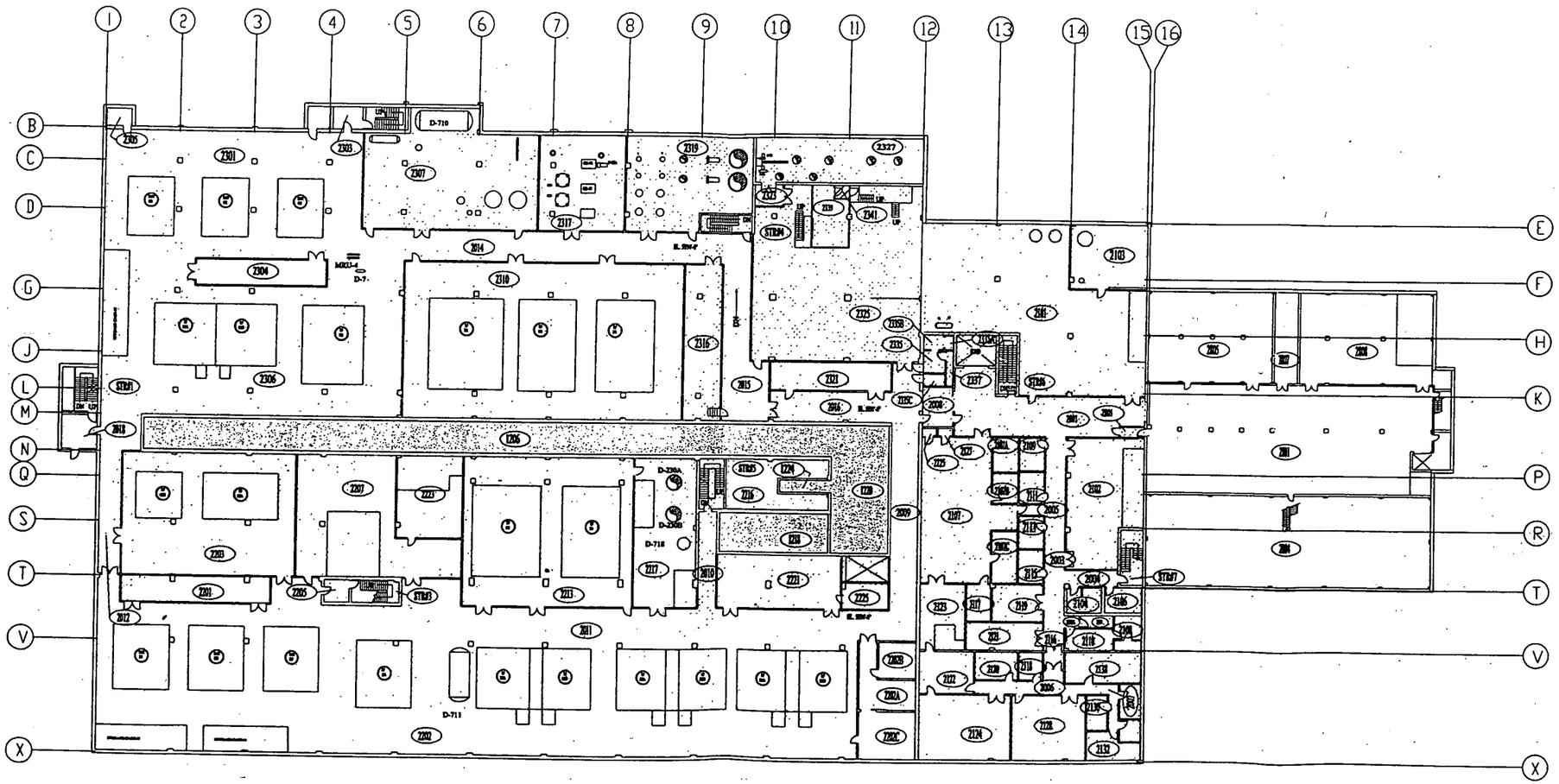
Attachment E

Verification Survey Unit Maps

PRE-DEMOLITION SURVEY FOR BUILDING 371\374

BUILDING 371/374 DOP SURVEY AREAS

BUILDING 371/374 BASEMENT
FOR INFORMATION ONLY



Notes:

SURVEY MAP LEGEND

- DOP Survey Area A - 1150 sq. m.
- DOP Survey Area B - 1710 sq. m.
- DOP Survey Area C - 5450 sq. m.
- DOP Survey Area D - 1980 sq. m.
- DOP Survey Area E - 460 sq. m.

Scan Survey Information

Survey Instrument ID #(s) & RCT ID #(s):

N

0 FEET 18

0 METERS 6

DRAWING NOT TO SCALE

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J. Jimenez 303.966.2269

Prepared for:

FINAL

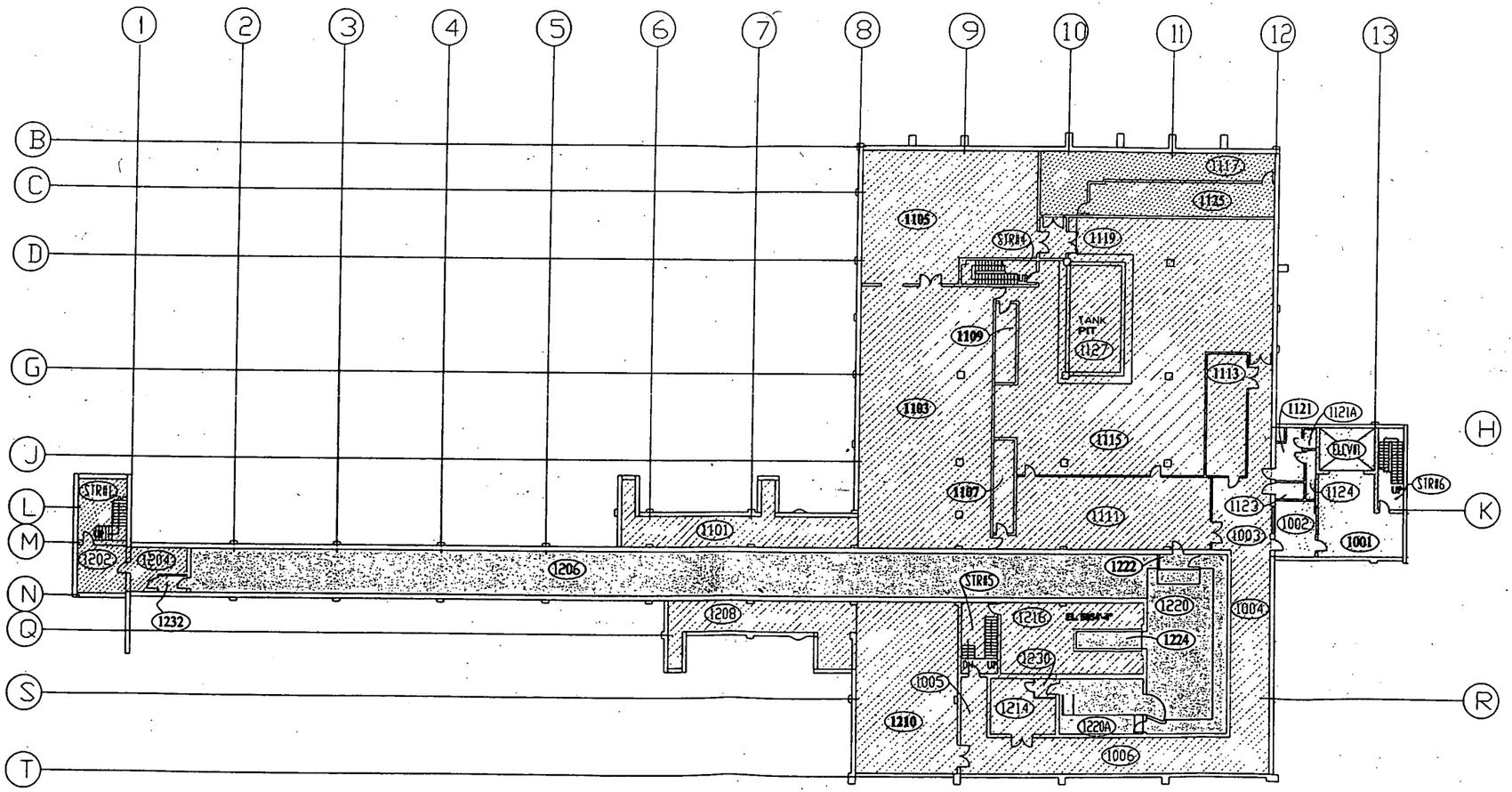
MAP ID: 371-374371-Base_DOP

Nov. 3, 2004

PRE-DEMOLITION SURVEY FOR BUILDING 371\374

BUILDING 371/374 DOP SURVEY AREAS

BUILDING 371 SUB-BASEMENT
FOR INFORMATION ONLY



Notes:

SURVEY MAP LEGEND

- DOP Survey Area B - 1710 sq. m.
- DOP Survey Area E - 460 sq. m.
- DOP Survey Area F - 100 sq. m.
- DOP Survey Area G - 1600 sq. m.

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):

N

0 FEET 18
0 METERS 6

DRAWING NOT TO SCALE

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J. Jimenez 303.966.2259

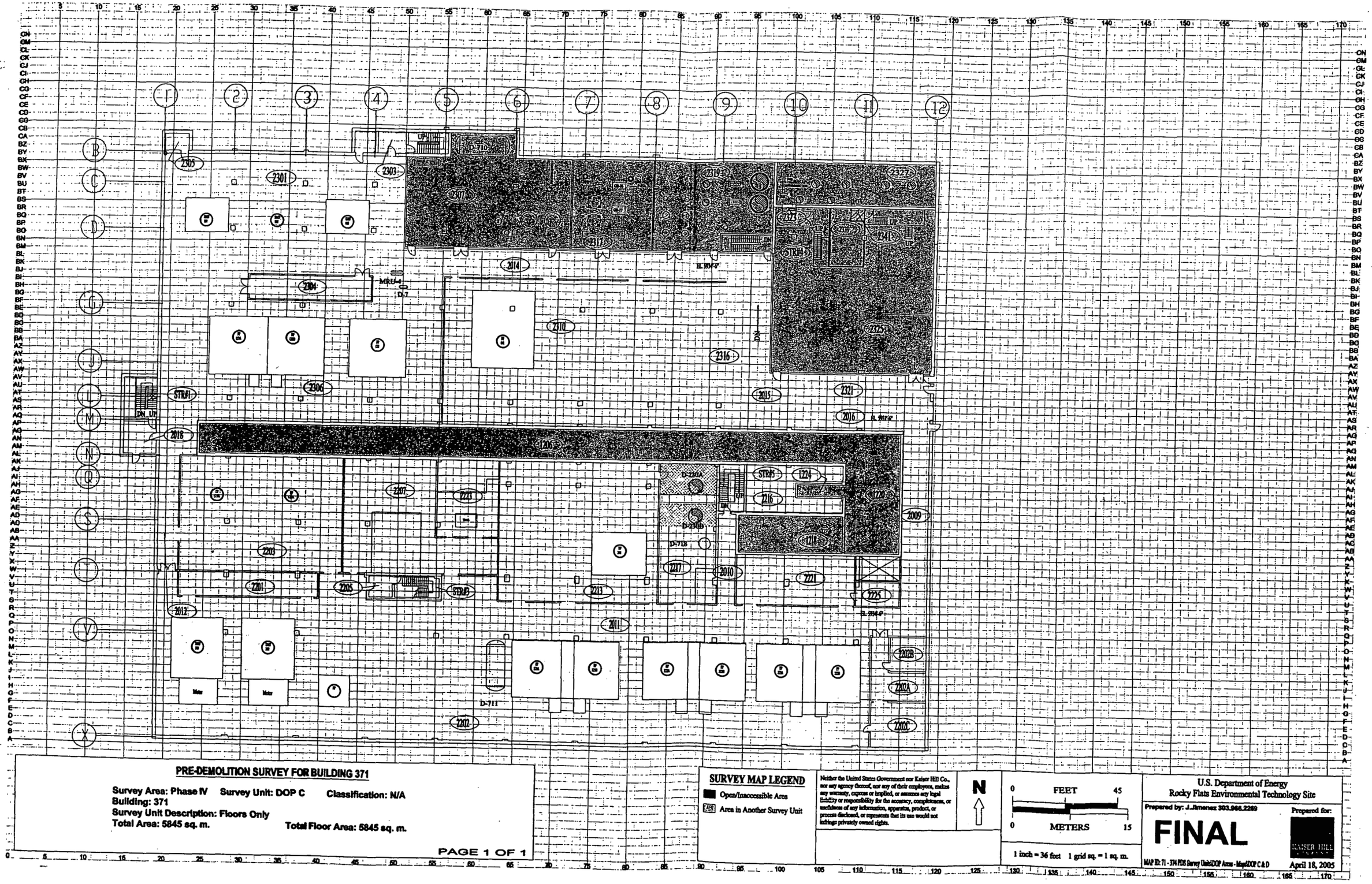
Prepared for:

FINAL

KAISER-HILL

MAP ID: 371-374Sub-Base-DOP

Nov. 3, 2004



PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: Phase IV **Survey Unit: DOP C** **Classification: N/A**
Building: 371
Survey Unit Description: Floors Only
Total Area: 5845 sq. m. **Total Floor Area: 5845 sq. m.**

PAGE 1 OF 1

SURVEY MAP LEGEND

- Open/Inaccessible Area
- 495 Area in Another Survey Unit

N

0 FEET 45
0 METERS 15

1 inch = 36 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J. Jimenez 303.966.2269

Prepared for:

FINAL

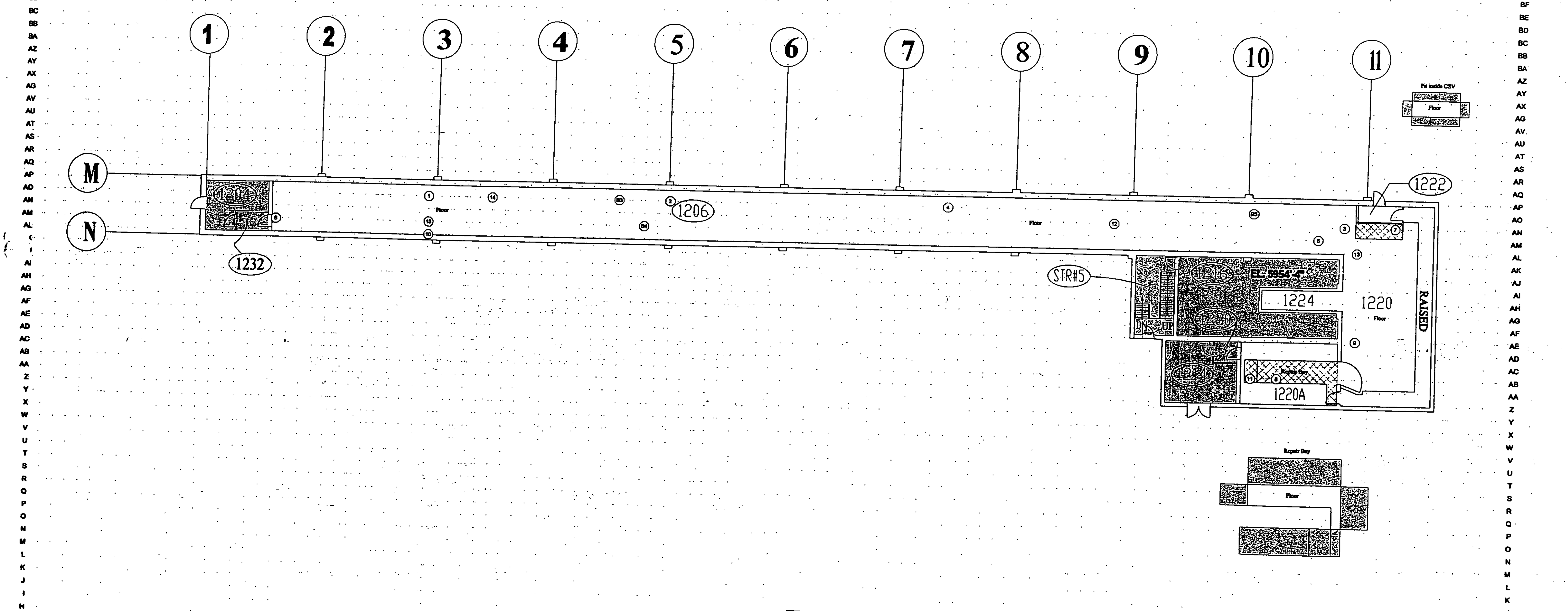
KAISER HILL

MAP ID: 71 - 374 PDS Survey Units\DOP Areas - Maps\DOP C.A.D

April 18, 2005

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: E **Survey Unit:** DOP **Classification:** N/A
Building: 371 CSV
Survey Unit Description: Floor Area Only
Total Area: 523 sq. m. **Total Floor Area:** 523 sq. m.



SURVEY MAP LEGEND
- Insitu Gamma Spec Sample
- Open/Inaccessible Area
- Area in Another Survey Unit

N

FEET 0 30
METERS 0 10
1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

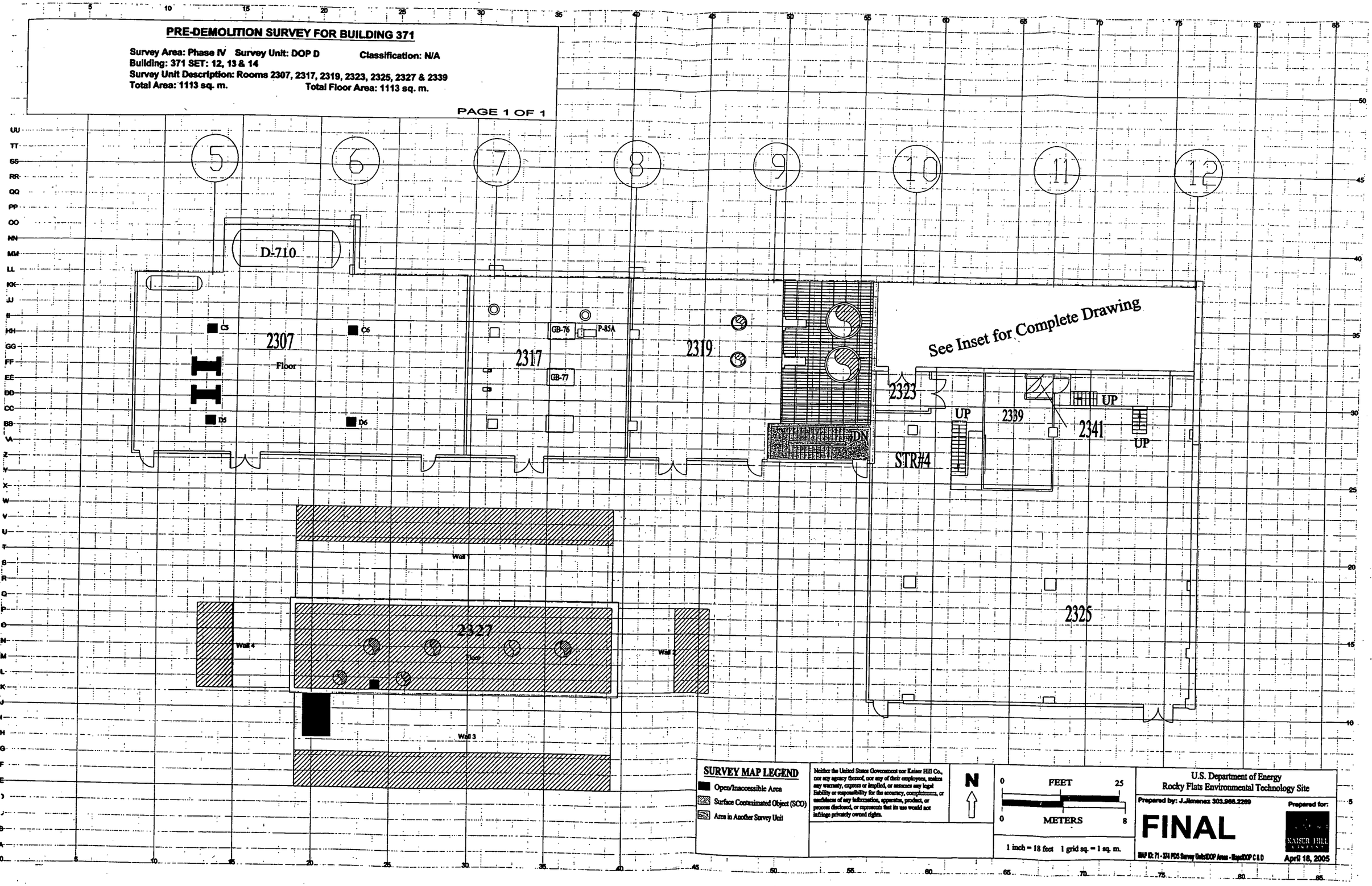
Prepared by: J.Jimenez 303.966.2269
Prepared for: KAISER HILL COMPANY

FINAL

MAP ID: 371-374 Survey Units\B371\371084 - CSVDOP-E
February 3, 2005

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: Phase IV Survey Unit: DOP D Classification: N/A
Building: 371 SET: 12, 13 & 14
Survey Unit Description: Rooms 2307, 2317, 2319, 2323, 2325, 2327 & 2339
Total Area: 1113 sq. m. Total Floor Area: 1113 sq. m.



SURVEY MAP LEGEND

- Open/Inaccessible Area
- Surface Contaminated Object (SCO)
- Area in Another Survey Unit

N

0 FEET 25
0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J. Jimenez 303.966.2269

Prepared for:

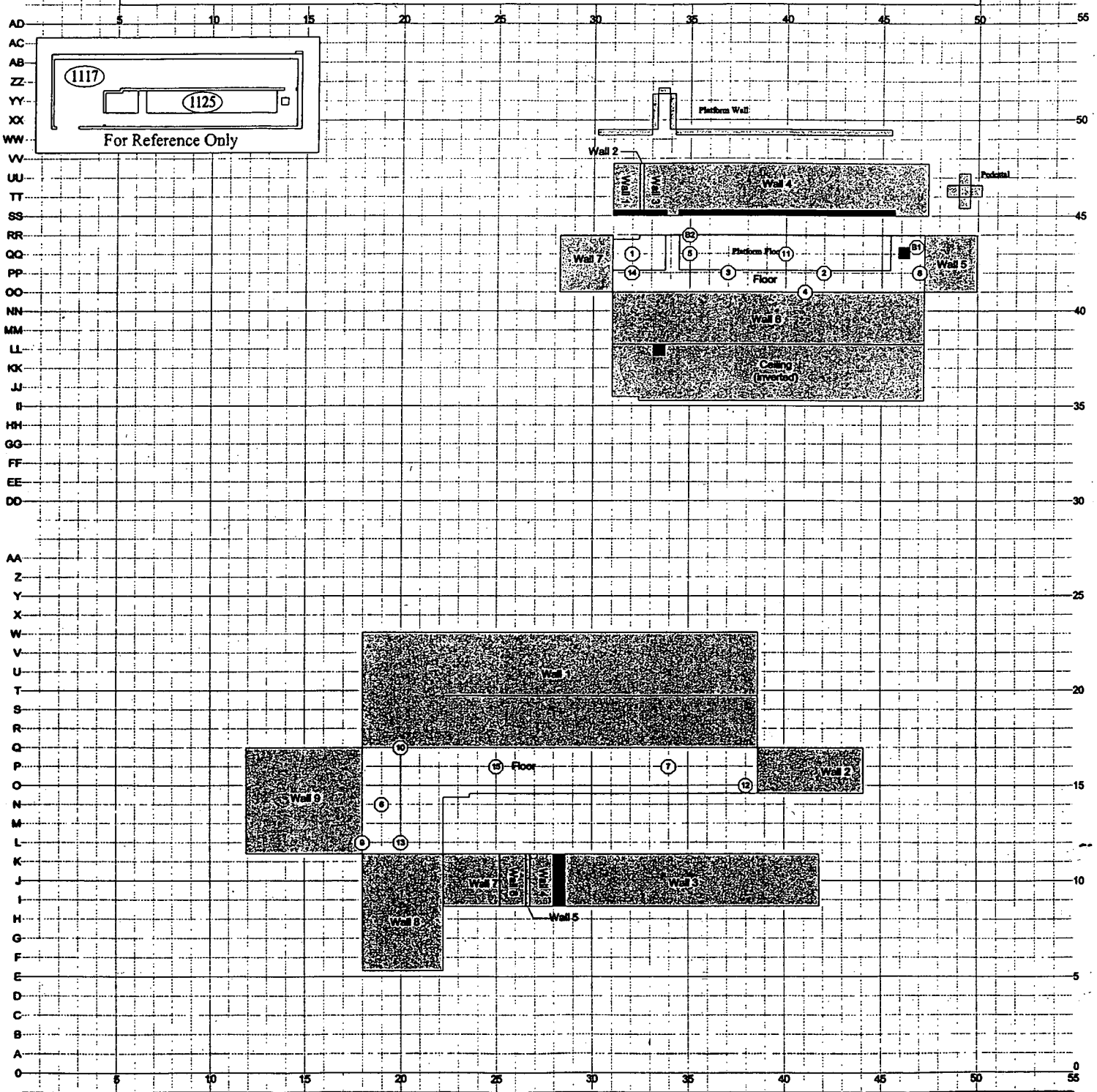
FINAL

MAP ID: 71 - 374 PDS Survey Units\DOP Areas - Maps\DOP C & D

April 18, 2005

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: F **Survey Unit: DOP** **Classification: N/A**
Building: 371 Rooms: 1117 & 1125
Survey Unit Description: Floors, Walls & Ceiling
Total Area: 679 sq. m. **Total Floor Area: 164 sq. m.**
Grid Spacing for Survey Points: 6m. X 6m.



SURVEY MAP LEGEND

- Insitu Gamma Spec Sample
- Open/Inaccessible Area
- Area in Another Survey Unit

N

0 FEET 30
0 METERS 10

1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303-966-2269

FINAL

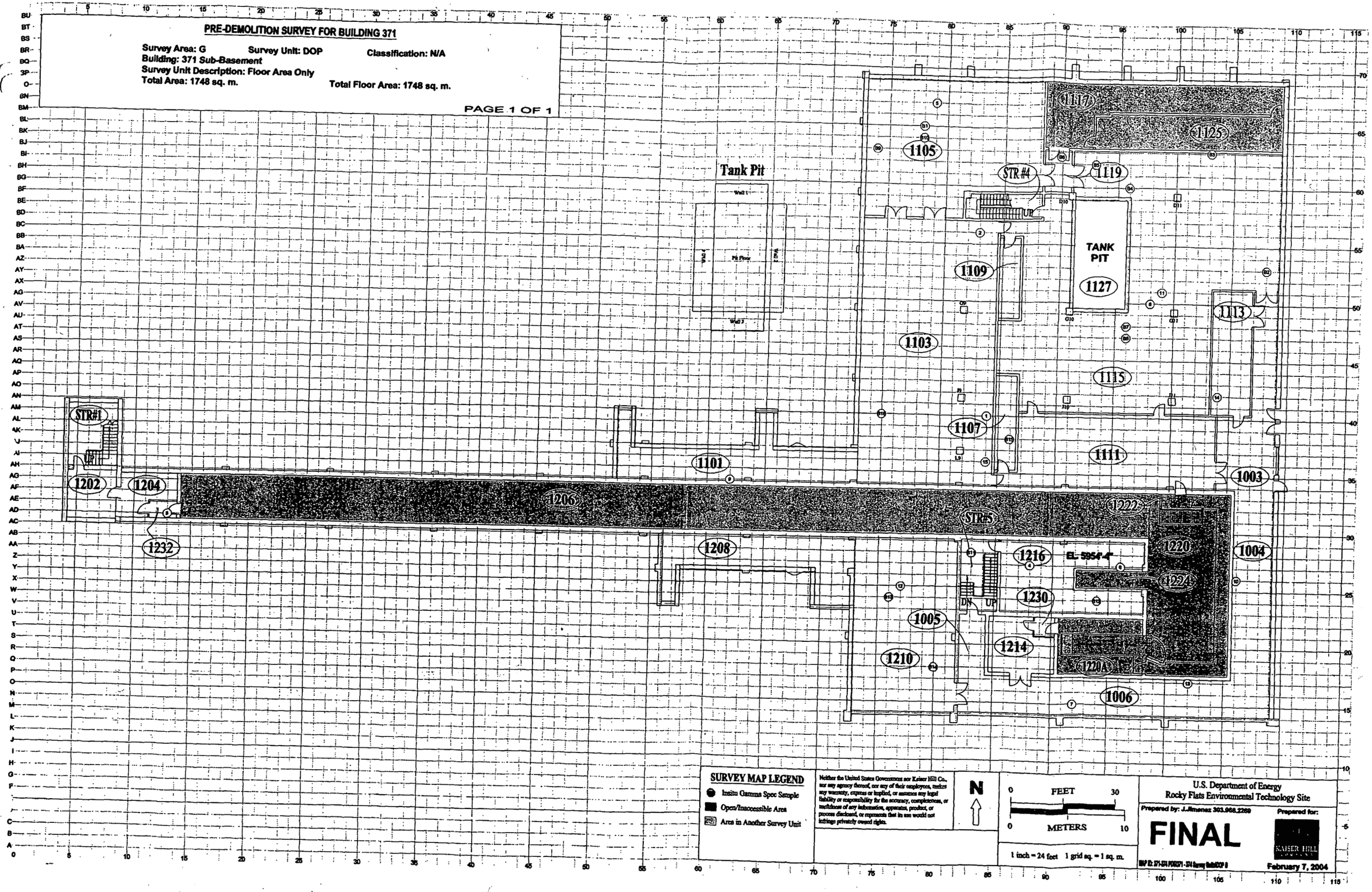
MAP ID: 371 - 374 Survey Units83711371085

Prepared for: KAISER HILL COMPANY

February 2, 2004

PRE-DEMOLITION SURVEY FOR BUILDING 371

Survey Area: G **Survey Unit:** DOP **Classification:** N/A
Building: 371 Sub-Basement
Survey Unit Description: Floor Area Only
Total Area: 1748 sq. m. **Total Floor Area:** 1748 sq. m.



SURVEY MAP LEGEND

- Insitu Gamma Spec Sample
- Open/Inaccessible Area
- Area in Another Survey Unit

N

0 FEET 30
0 METERS 10
1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: J.Jimenez 303.966.2269

Prepared for: KAISER HILL COMPANY

FINAL

February 7, 2004

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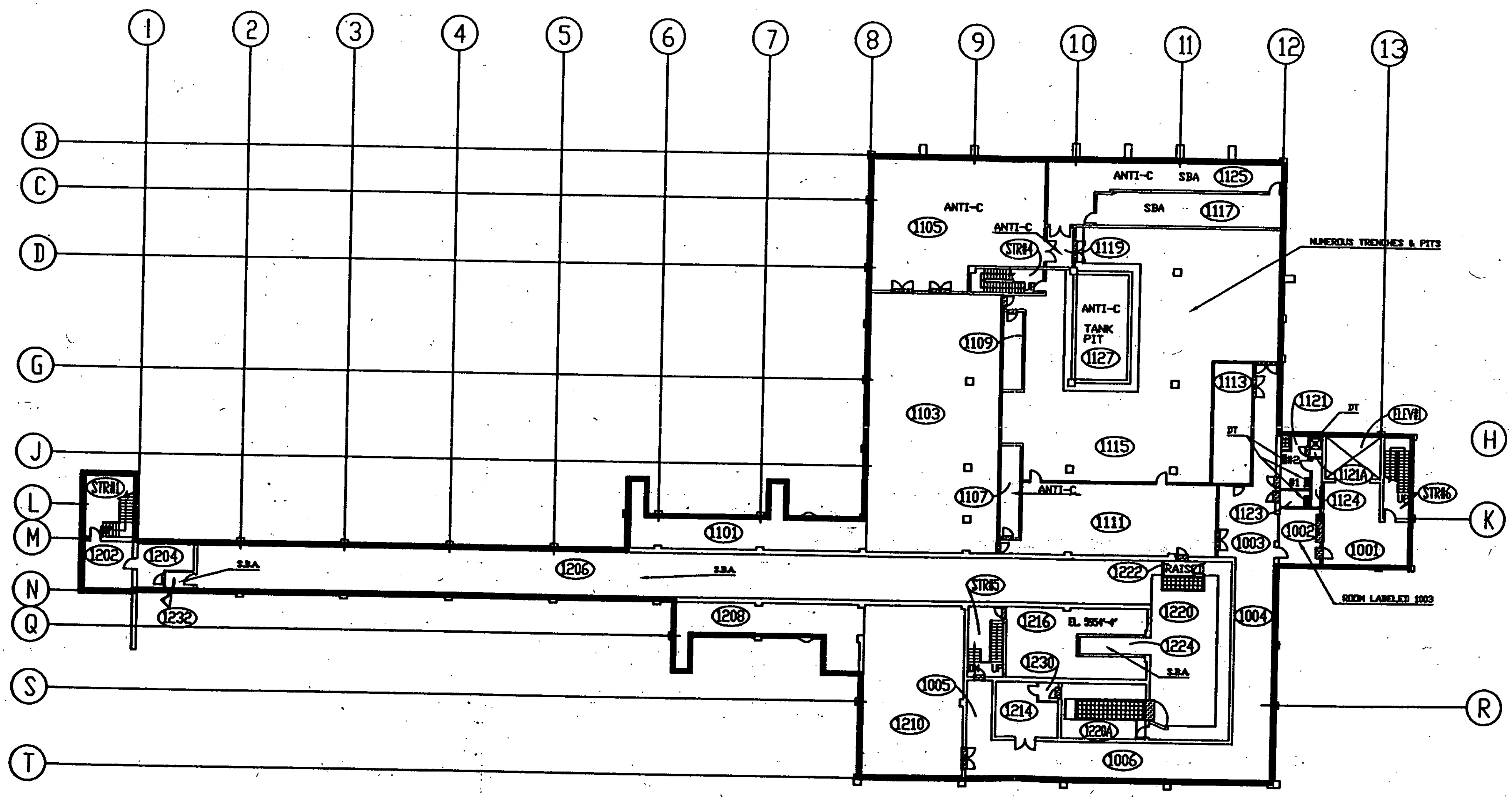


BLDG 371-SUB-BASEMENT FLOOR PLAN
DRAIN IDENTIFICATION STUDY

NOTES:

1. SYMBOL LOCATIONS ARE APPROXIMATE
2. SYMBOLS ARE NOT TO SCALE
3. DWG MODIFICATIONS ARE IN RED
4. ROOMS NOT COMPLETED ARE IN GREEN
5. RCA OUTLINED IN MAGENTA

(symbol)	TOILET	SS	SANITARY SEWER
(symbol)	URINAL	PW	PROCESS WASTE
(symbol)	SS SHOWER	FD	FLOOR DRAIN
(symbol)	PW SHOWER	SH	SHOWER
(symbol)	PW SUMP	SU	SUMP
(symbol)	SS SUMP	PSU	PUMPED SUMP
●	PW FL DR	TR	UTILITY TRENCH
○	SS FL DR	UL	UNLABELED
(symbol)	PIT/TRENCH	WWA	WET WORK AREA
(symbol)	PW SINK	WF	WATER FOUNTAIN
(symbol)	SS SINK	DR	DRAIN
△	UL FL DR	FL	FLOOR
(symbol)	BERM	P	PATHWAY
(symbol)	CURBED AREA	WRR	WOMENS REST ROOM
▼	FUNNEL DR	MRR	MENS REST ROOM
(symbol)	OPEN PIPE	U	URINAL
(symbol)	UL SHOWER	T	TOILET
(symbol)	UL SUMP	PEN	PENETRATION
(symbol)	UL SINK	CS	CONFINED SPACE
X	FL PEN	SD	STORM DRAIN
(symbol)	MANHOLE	EX	EXPANSION JOINT
(XXX)	RM #	BD	BUILDING DESIGN
		BP	BUILDING PERSONNEL
		DWG	DRAWINGS
		TL	TRACEABLE LINES
		US	USAGE
		MH	MANHOLE
		DT	DYE TESTED

[redacted]

1-5-94			D.I.S.
DATE	RFP	CLASSIFICATION	JOB ID

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

ROCKY FLATS PLANT
GOLDEN, COLORADO

SURFACE WATER DIVISION DEPT. DWG.

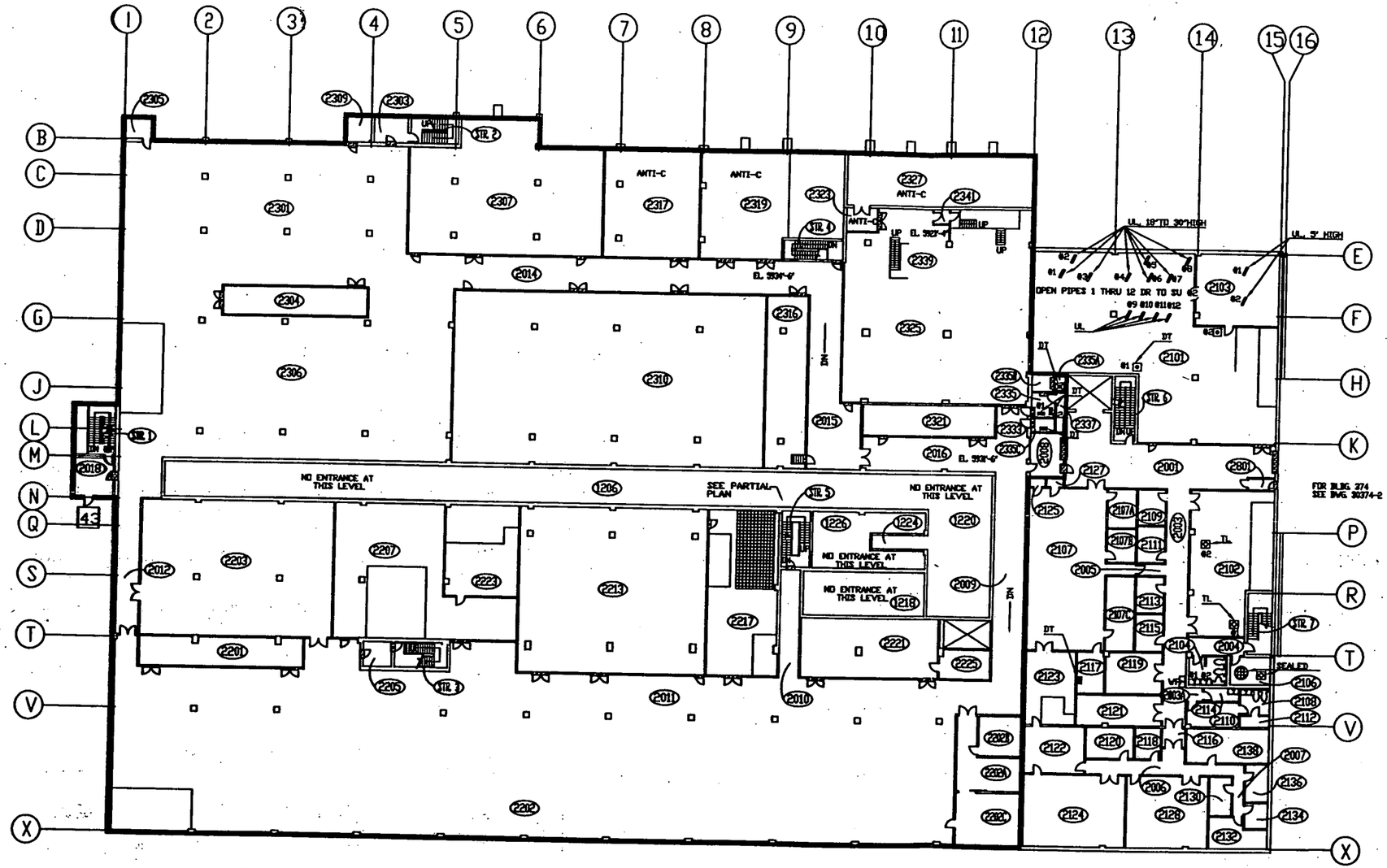
SUB-BASEMENT FLOOR PLAN

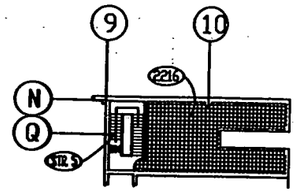
SIZE	DRAWING NUMBER	ISSUE	SHEET
D	371-1	A	1 OF 5

[redacted]

Reviewed For Classification/UCNI
By [signature] UNU
Date 10/24/2006

[redacted]





BLDG. 371 BASEMENT FLOOR PLAN
DRAIN IDENTIFICATION STUDY

NOTES:
1. SYMBOL LOCATIONS ARE APPROXIMATE
2. SYMBOLS ARE NOT TO SCALE
3. DWG. MODIFICATIONS ARE IN RED
4. ROOMS NOT COMPLETED ARE IN GREEN
5. RCA OUTLINED IN MAGENTA

TOILET	SS	SANITARY SEWER
URINAL	PV	PROCESS WASTE
SS SHOWER	FD	FLOOR DRAIN
PV SHOWER	SH	SHOWER
PV SUMP	SU	SUMP
SS SUMP	PSU	PUMPED SUMP
PV FL DR	TR	UTILITY TRENCH
SS FL DR	UL	UNLABELED
PIT/TRENCH	WA	WET WORK AREA
PV SINK	WF	WATER FOUNTAIN
SS SINK	DR	DRAIN
UL FL DR	FL	FLOOR
BERM	P	PATHWAY
CURBED AREA	WRR	WOMENS REST ROOM
FUNNEL DR	MRR	MENS REST ROOM
OPEN PIPE	U	URINAL
UL SHOWER	T	TOILET
UL SUMP	PEN	PENETRATION
UL SINK	CS	CONFINED SPACE
FL PEN	SD	STORM DRAIN
MANHOLE	EX	EXPANSION JOINT
XXX RM #	BD	BUILDING DESIGN
	BP	BUILDING PERSONNEL
	DWG	DRAWINGS
	TL	TRACEABLE LINES
	US	USAGE
	MH	MANHOLE
	DT	DYE TESTED

[redacted]

2-22-94			D.I.S.
DATE	RFP	CLASSIFICATION	JOB ID

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

ROCKY FLATS PLANT
GOLDEN, COLORADO

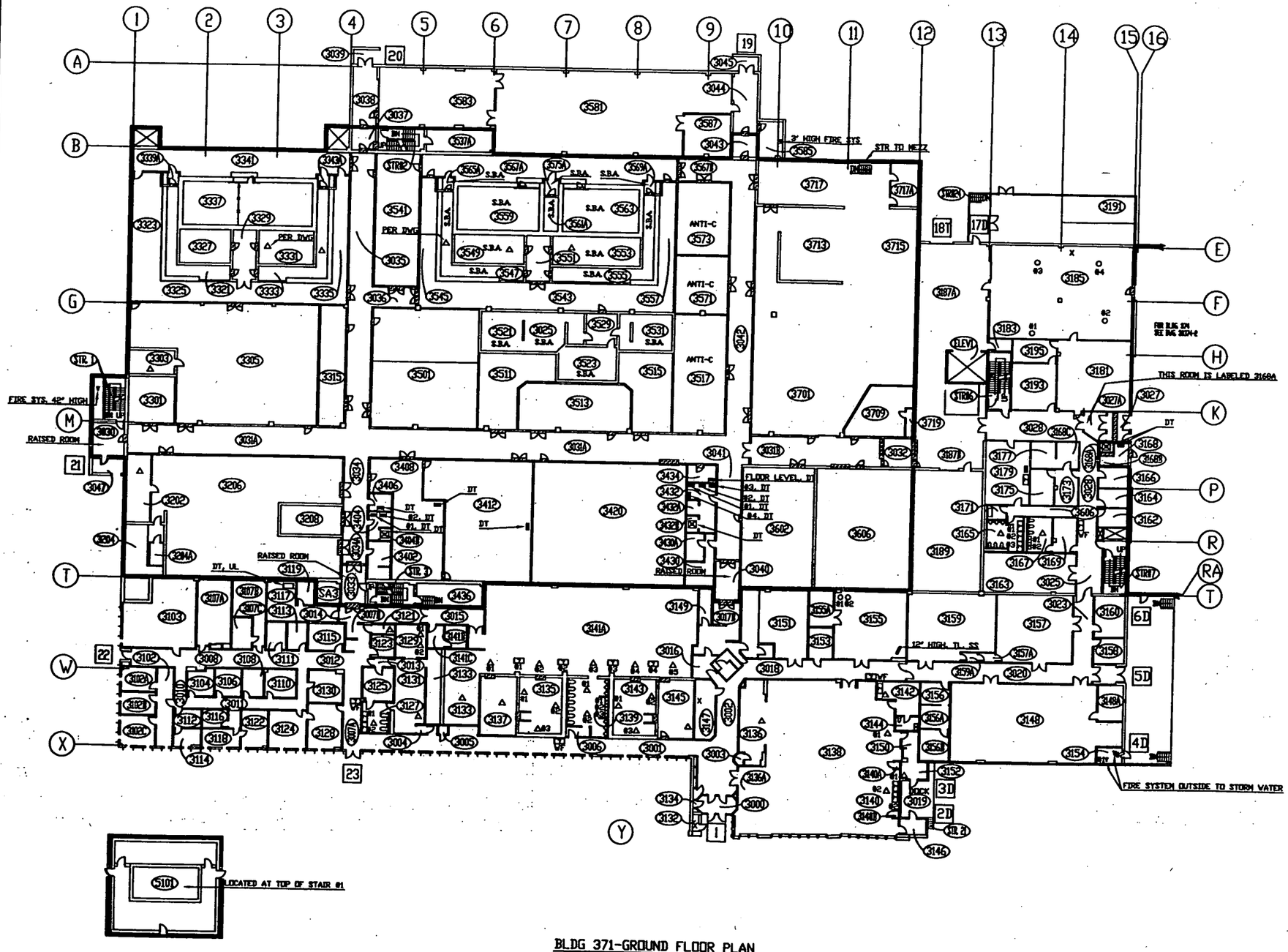
SURFACE WATER DIVISION DEPT. DWG.

BASEMENT FLOOR PLAN

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	371-2	A	2 OF 5

[redacted]

[redacted]



BLDG 371-GROUND FLOOR PLAN
BRAIN IDENTIFICATION STUDY

NOTES:
1. SYMBOL LOCATIONS ARE APPROXIMATE
2. SYMBOLS ARE NOT TO SCALE
3. DWG. MODIFICATIONS ARE IN RED
4. ROOMS NOT COMPLETED ARE IN GREEN
5. RCA IS OUTLINED IN MAGENTA

NOTE: DRAINS IN ROOMS 3202, 3303, 3331, 3333, 3549, 3547, 3553, FLOW TO THE PROCESS TANKS IN ROOM 2223 PER BUILDING PERSONNEL

	TOILET	SS	SANITARY SEWER
	URINAL	PV	PROCESS WASTE
	SS SHOWER	FD	FLOOR DRAIN
	PV SHOWER	SH	SHOWER
	PV SUMP	SU	SUMP
	SS SUMP	PSU	PUMPED SUMP
	PV FL DR	TR	UTILITY TRENCH
	SS FL DR	UL	UNLABELED
	PIT/TRENCH	VWA	WET WORK AREA
	PV SINK	WF	WATER FOUNTAIN
	SS SINK	DR	DRAIN
	UL FL DR	FL	FLOOR
	BERM	P	PATHWAY
	CURBED AREA	WRR	WOMENS REST ROOM
	FUNNEL DR	MRR	MENS REST ROOM
	OPEN PIPE	U	URINAL
	UL SHOWER	T	TOILET
	UL SUMP	PEN	PENETRATION
	UL SINK	CS	CONFINED SPACE
	FL PEN	SD	STORM DRAIN
	MANHOLE	EX	EXPANSION JOINT
XXX	RM #	BD	BUILDING DESIGN
		BP	BUILDING PERSONNEL
		DWG	DRAWINGS
		TL	TRACEABLE LINES
		US	USAGE
		MH	MANHOLE
		DT	DYE TESTED

[redacted]

2-22-94			D.I.S.
DATE	RFP	CLASSIFICATION	JOB ID

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

ROCKY FLATS PLANT
GOLDEN, COLORADO

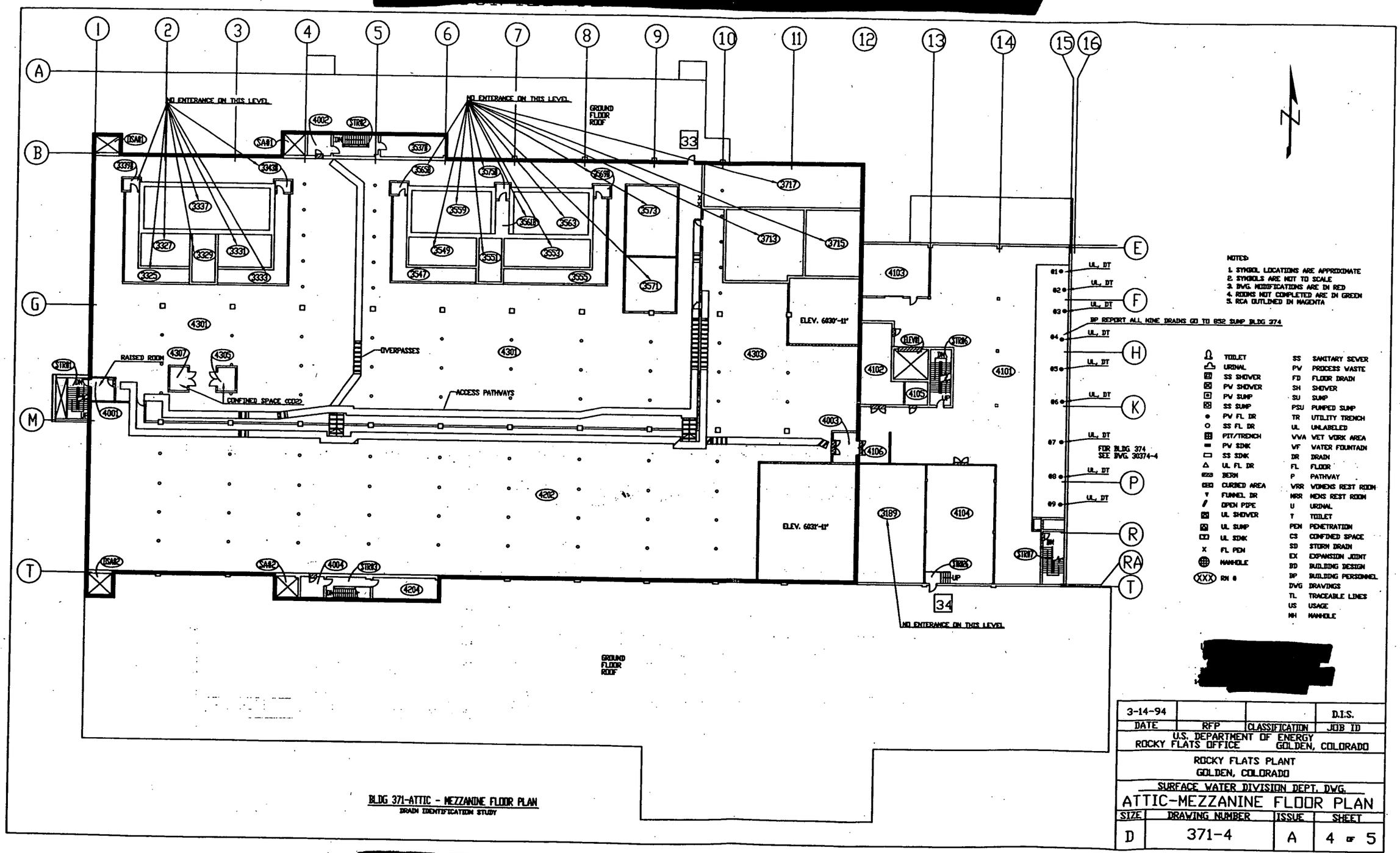
SURFACE WATER DIVISION DEPT. DWG.

GROUND FLOOR PLAN

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	371-3	A	3 OF 5

[redacted]

[redacted]



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3-14-94			D.I.S.
DATE	RFP	CLASSIFICATION	JOB ID

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

ROCKY FLATS PLANT
GOLDEN, COLORADO

SURFACE WATER DIVISION DEPT. DWG.

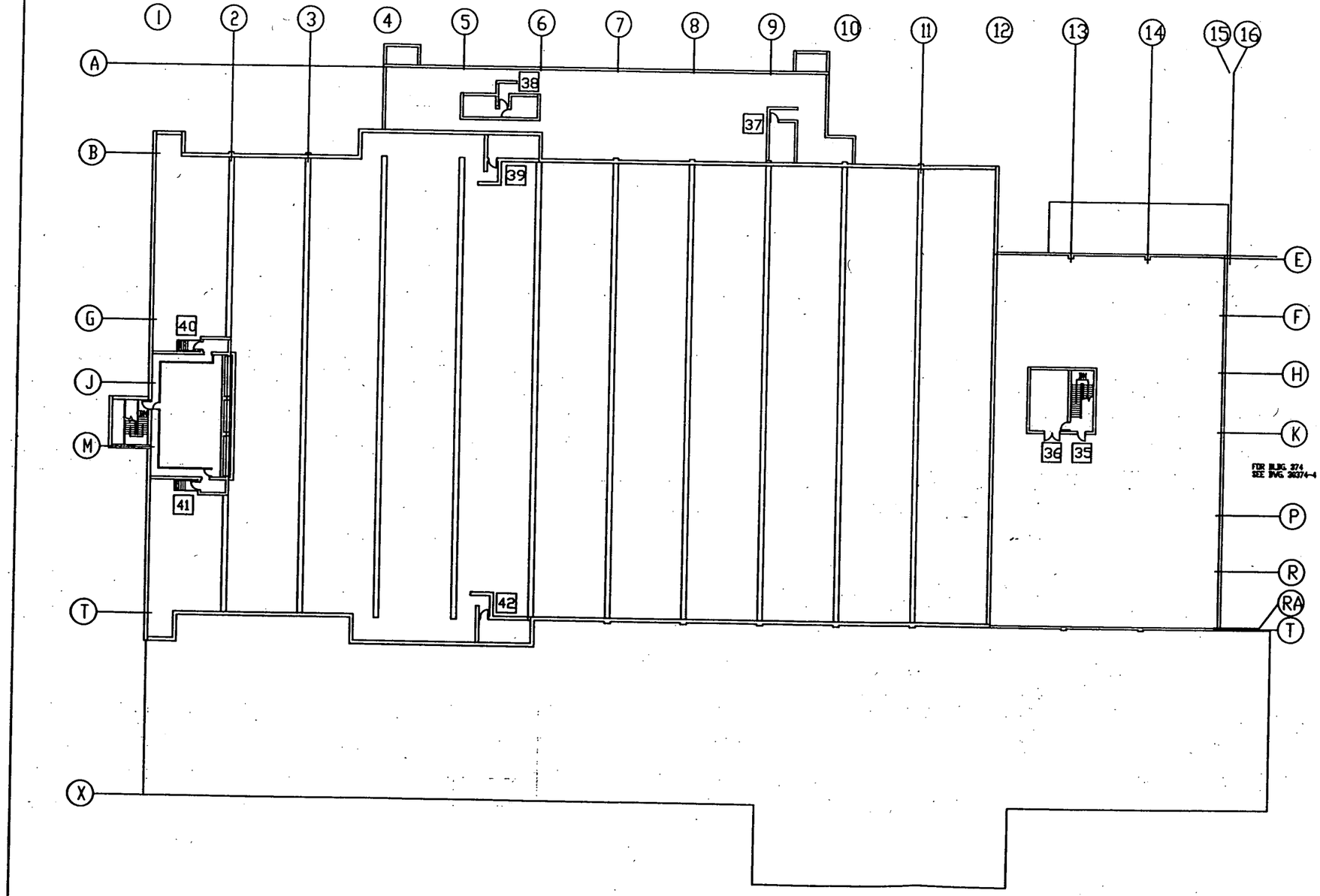
ATTIC-MEZZANINE FLOOR PLAN

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	371-4	A	4 OF 5

BLDG 371-ATTIC - MEZZANINE FLOOR PLAN
DRAIN IDENTIFICATION STUDY

[redacted]

[redacted]



BLDG 371-ROOF PLAN
DRAIN IDENTIFICATION STUDY

NOTES:
1. SYMBOL LOCATIONS ARE APPROXIMATE
2. SYMBOLS ARE NOT TO SCALE
3. DWG. MODIFICATIONS ARE IN RED
4. ROOMS NOT COMPLETED ARE IN GREEN
5. RCA OUTLINED IN MAGENTA

	TOILET	SS	SANITARY SEWER
	URINAL	PV	PROCESS WASTE
	SS SHOWER	FD	FLOOR DRAIN
	PV SHOWER	SH	SHOWER
	PV SUMP	SU	SUMP
	SS SUMP	PSU	PUMPED SUMP
	PV FL DR	TR	UTILITY TRENCH
	SS FL DR	UL	UNLABELED
	PIT/TRENCH	VWA	WET WORK AREA
	PV SINK	WF	WATER FOUNTAIN
	SS SINK	DR	DRAIN
	UL FL DR	FL	FLOOR
	BERM	P	PATHWAY
	CURBED AREA	WRR	WOMENS REST ROOM
	FUNNEL DR	MRR	MENS REST ROOM
	OPEN PIPE	U	URINAL
	UL SHOWER	T	TOILET
	UL SUMP	PEN	PENETRATION
	UL SINK	CS	CONFINED SPACE
X	FL PEN.	SD	STORM DRAIN
	MANHOLE	EX	EXPANSION JOINT
		BD	BUILDING DESIGN
XXX	RM #	BP	BUILDING PERSONNEL
		DWG	DRAWINGS
		TL	TRACEABLE LINES
		US	USAGE
		MH	MANHOLE
		DT	DYE TESTED

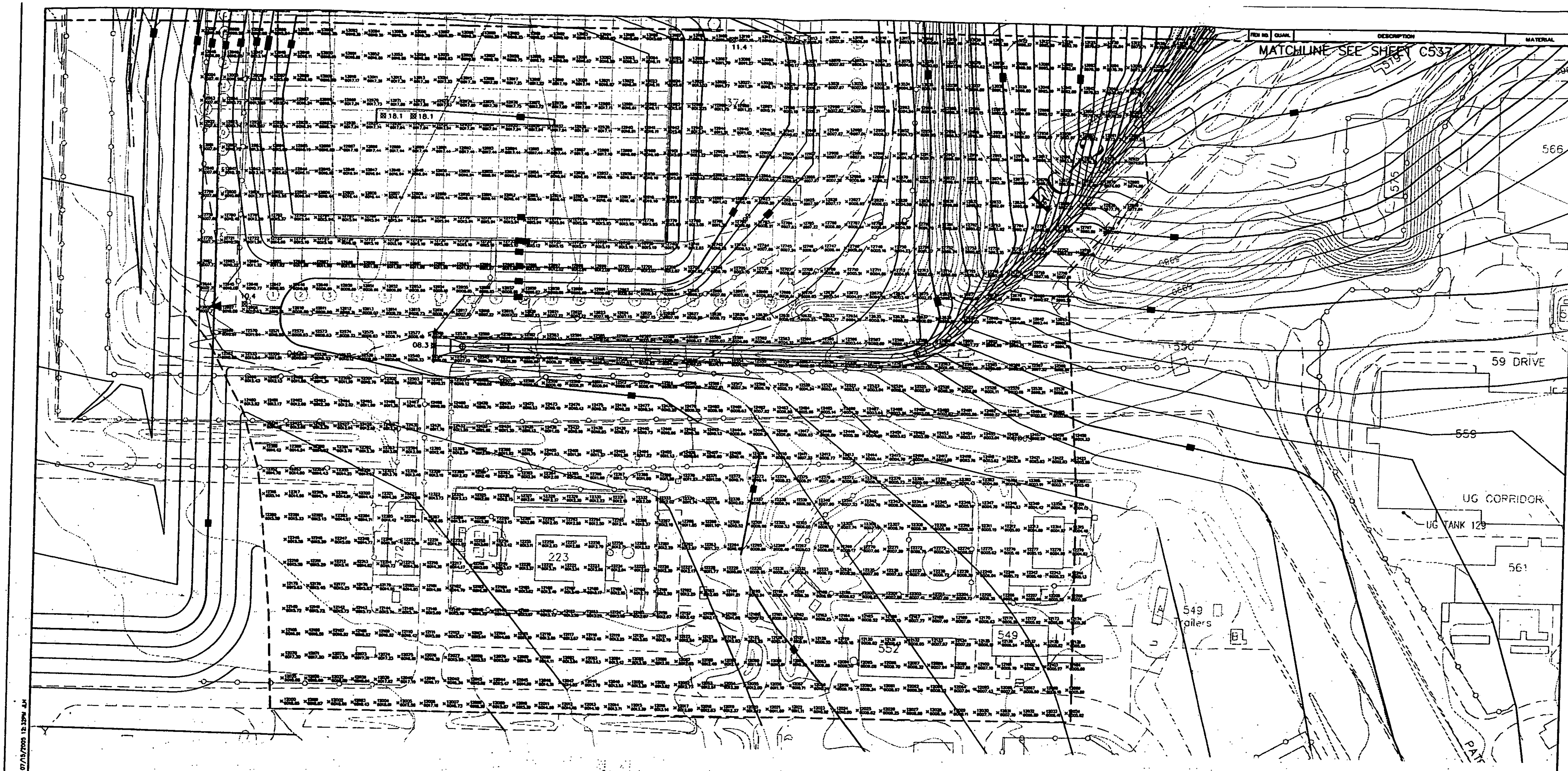
[redacted]

DATE	RFP	CLASSIFICATION	JOB ID
U.S. DEPARTMENT OF ENERGY ROCKY FLATS OFFICE GOLDEN, COLORADO			
ROCKY FLATS PLANT GOLDEN, COLORADO			
SURFACE WATER DIVISION DEPT. DWG. FIRST FLOOR PLAN			
SIZE	DRAWING NUMBER	ISSUE	SHEET
D	371-5	A	5 of 5

[redacted]

ATTACHMENT F

CONTOUR DRAWING OF FINAL GRADE



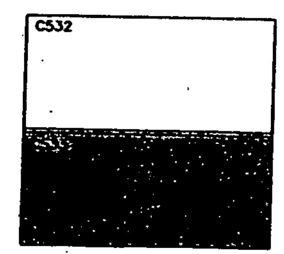
NOTES:

1. PROPOSED FINAL ELEVATIONS PROVIDED FOR A UNIFORM GRID ON 25 FOOT CENTERS. SEE DRAWING C532 FOR PROPOSED FINAL ELEVATIONS AT INDIVIDUAL BUILDING COLUMNS.
2. NORTHING AND EASTING COORDINATES FOR EACH GRID POINT PROVIDED ON SEPARATE TABLES.
3. PROPOSED FINAL GRADES BASED ON XREF-IA-GRADING-REV11N.

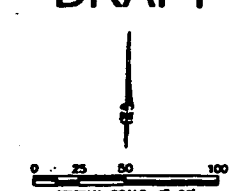
LEGEND:

Symbol	Description	Symbol	Description
——6000——	EXISTING INDEX CONTOUR	——80——	PROPOSED LCDB INDEX GRADE
	EXISTING INTERMEDIATE CONTOUR		PROPOSED LCDB INTERMEDIATE GRADE
— — —	PAVED ROAD	× 85	PROPOSED LCDB SPOT ELEVATION
	UNPAVED ROAD	— · —	DRAINAGE DITCH/CREEK CENTER LINE
—o—o—	FENCE		
	EXISTING CULVERT		

KEYMAP



DRAFT



ISSUE	0
DESCRIPTION	ISSUED FOR REVIEW
KEYWORDS	1.LAND; 2.CONFIGURATION; 3.GRADING; 4.DRAINAGE; 5.
BLDG./FACILITY	371/374
ROOM/AREA	N/A
GRID COORD./COL. NO.	N/A
NEXT ASSEMBLY	N/A
SCALE:	AS NOTED
DESIGN COMPANY:	PARSONS
DESIGNED BY	R. STEGEN RLS
DRAWN BY	J. HARSCH JLH
CHECKED BY	
INDEPENDENT VERIFIER	
APPROVED BY	
CLASSIFIER	
ADDITIONAL APPROVALS	
PROJECT/WCF NO.	KH900286-018

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Environmental Technology Site
GOLDEN, COLORADO

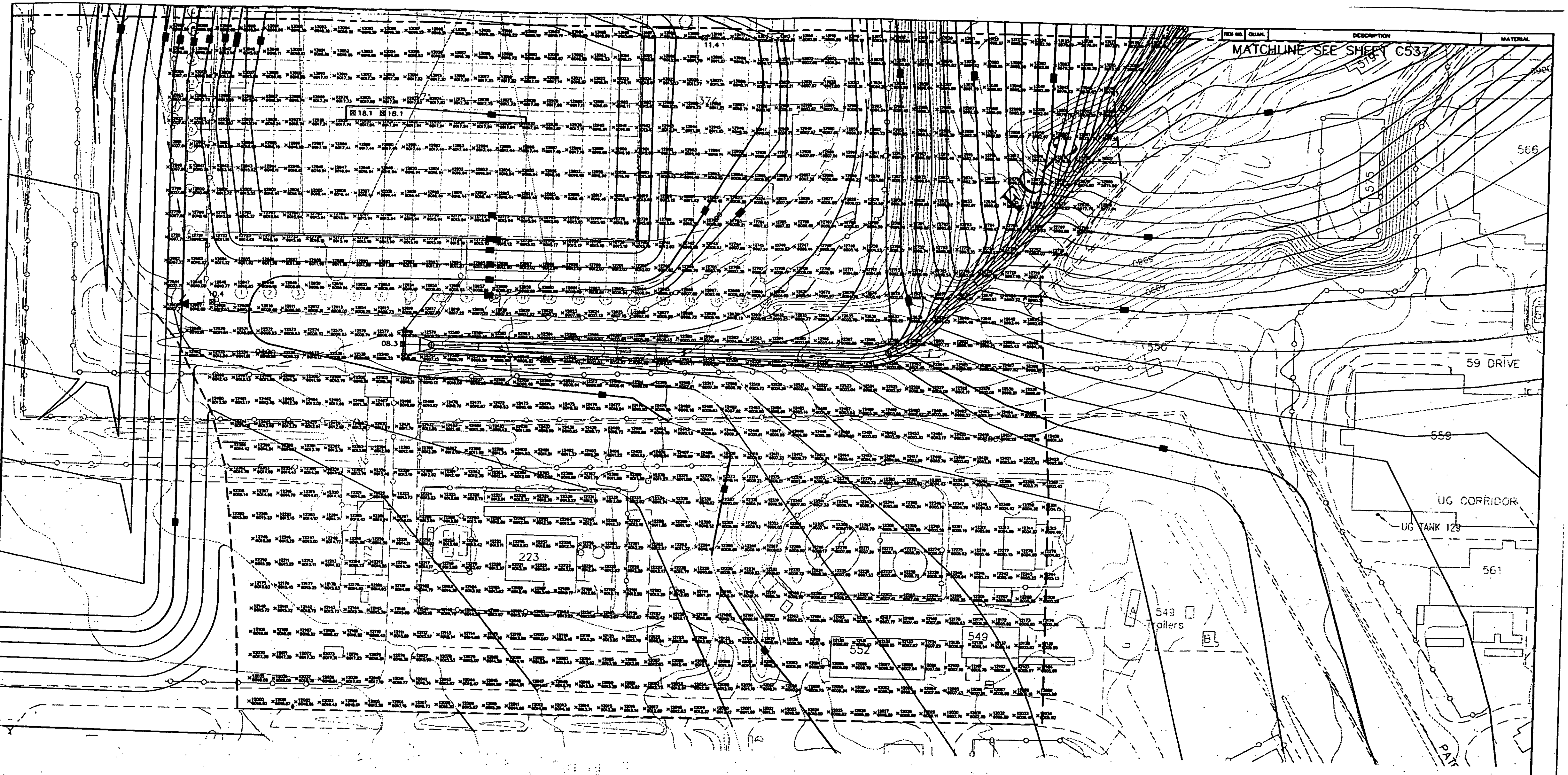
LAND CONFIGURATION DESIGN BASIS
IA GRADING AND DRAINAGE PLANS

BUILDING 371/374
PROPOSED FINAL GRADE STAKING

SIZE	DRAWING NUMBER	ISSUE
D	51754-C538	0

AUTOCAD COMPUTER GENERATED
NO MANUAL CHANGES ALLOWED

Plot date: Jul 15, 2005 - 12:32pm



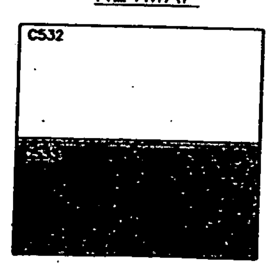
NOTES:

1. PROPOSED FINAL ELEVATIONS PROVIDED FOR A UNIFORM GRID ON 25 FOOT CENTERS. SEE DRAWING C532 FOR PROPOSED FINAL ELEVATIONS AT INDIVIDUAL BUILDING COLUMNS.
2. NORTHING AND EASTING COORDINATES FOR EACH GRID POINT PROVIDED ON SEPARATE TABLES.
3. PROPOSED FINAL GRADES BASED ON XREF-IA-GRADING-REV11N.

LEGEND:

6000	EXISTING INDEX CONTOUR	80	PROPOSED LCDB INDEX GRADE
	EXISTING INTERMEDIATE CONTOUR		PROPOSED LCDB INTERMEDIATE GRADE
	PAVED ROAD	× 85	PROPOSED LCDB SPOT ELEVATION
	UNPAVED ROAD		DRAINAGE DITCH/CREEK CENTER LINE
	FENCE		
	EXISTING CULVERT		

KEYMAP



DRAFT

0 25 50 100
ORIGINAL SCALE: 1"=50'
CONTOUR INTERVAL 2'
STATE PLANE COORDINATES

0 ISSUE	ISSUED FOR REVIEW DESCRIPTION		KH900286-018 PROJECT/WCF NO.
KEYWORDS	TOLERANCES FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE	DESIGN COMPANY: PARSONS	U.S. DEPARTMENT OF ENERGY ROCKY FLATS OFFICE GOLDEN, COLORADO
1.LAND 2.CONFIGURATION 3.GRADING 4.DRAINAGE 5.	REMOVE BURRS AND SHARP EDGES	DESIGNED BY R. STEGEN RLS; DRAWN BY J. HARSCH JLH; CHECKED BY; INDEPENDENT VERIFIER; APPROVED BY; CLASSIFIER; ADDITIONAL APPROVALS	Rocky Flats Environmental Technology Site GOLDEN, COLORADO
BLDG./FACILITY 371/374	NEXT ASSEMBLY N/A		LAND CONFIGURATION DESIGN BASIS IA GRADING AND DRAINAGE PLANS BUILDING 371/374 PROPOSED FINAL GRADE STAKING
ROOM/AREA N/A			SIZE D; DRAWING NUMBER 51754-C538; ISSUE 0
GRID COORD./COL NO. N/A	SCALE: AS NOTED		

AUTOCAD COMPUTER GENERATED
NO MANUAL CHANGES ALLOWED

Plot date: Jul 15, 2005 - 12:32pm

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: November 10, 2004

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Denise Onyskiw
Phone: 303-692-3371

Agency: CDPHE

Purpose of Contact: Building 371/374 Demolition Activities

Discussion

Numerous "lessons learned" experiences related to decommissioning and demolition activities in Building 771/774 have direct applicability in Building 371/374. For example, Building 371/374 contains a significant amount of plenums, penetrations and piping with residual amounts of contamination. In many cases, decontamination activities can be hazardous to the worker and very difficult, if not impossible. As a result, the 371 Project proposed to utilize the radiological and beryllium controls (see below) that were successfully demonstrated during the decommissioning and demolition of Building 771/774 for the disposition of certain systems/equipment.

Plenums

The two remaining plenums in Building 374 (FP-321 and FP-322) are located in Room 2808 and 2801, respectively. The rooms will be surveyed to verify the unrestricted release criteria established in the *371 Closure Project Decommissioning Operations Plan* has been met. The plenums will be surveyed to verify removable contamination is less than 20 dpm/100cm2. The plenums will be removed, sized reduced and packaged as low-level radioactive waste.

The following controls shall be implemented prior to and during the size reduction of FP-321 and FP-322 plenums:

1) A fixative (ABC, firedam, etc.) will be applied to the interior surfaces and to the contaminated portion of the exterior surfaces of these areas.
2) Biased beryllium smears will be conducted to assure levels are < 0.1 $\mu g/100$ cm^2.
3) Dust suppression will be utilized during size reduction.
4) A fixative will be applied to the debris on a daily basis until packaged.

5) Utilize job-coverage air sampling during demolition to assure levels do not exceed 0.3 DAC.
6) If 0.3 DAC is exceeded, DAC-hour tracking shall be performed for potentially exposed individuals.
7) If 0.3 DAC is exceeded, or if the spread of contamination is indicated per in-process surveys, additional fixative shall be applied to the debris.
8) Dispose of generated waste as radioactive (LSA or SCO).

The 371 Project proposed to utilize these controls for any plenums that cannot meet the unrestricted release criteria. The disposition of any such plenum will be communicated to CDPHE through the existing consultative process and will be documented via contact record prior to implementation.

Penetrations

Building 371/374 contains numerous piping penetrations/stubs. Many of these penetrations cannot be fully decontaminated and/or surveyed to meet the unrestricted release criteria. As a result, these penetrations will be decontaminated to meet the SCO criteria or removed as TRU waste prior to demolition. For penetrations that meet the necessary SCO criteria, a fixative will be applied to the pipe internals and high visibility paint will be applied to the ends. The penetrations will be removed and packaged as low-level waste during demolition activities.

Mezzanine

A steel mezzanine (Room 4814) located above Room 3810, in Building 374, consisted of a diamond-plated metal floor with a metal I-beam support structure. Paint sampling was conducted on this mezzanine level and results showed elevated alpha activity (fixed) within the matrix of the paint located on the floor of this structure. As such, the diamond plate flooring was removed from this structure, as much as practical, with the exception of plating attached to the I-beam support structure. The remaining support structure was left in place to be removed as low-level waste during demolition. Surveys will be conducted to ensure no removable contamination exists to establish isolation controls during final survey. If any removable contamination is detected, the area will be painted and re-surveyed to ensure fixative was effective prior to commencing Pre-Demolition Survey.

Dock 8

Dock 8 (the acid dock) which is located on the east side of Building 374 had previous spills of mixed waste. As a result, the dock will be verified to meet the unrestricted release criteria for removable contamination and dispositioned as mixed waste.

Ms. Onyskiw concurred with this proposal.

Contact Record Prepared By: Chris Gilbreath

2

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 707/776/777
C. Gilbreath, K-H 371/374
S. Garcia, USEPA
S. Gunderson, CDPHE
J. Legare, DOE-RFPO
J. Mead, K-H ESS
S. Nesta, K-H RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

D. Onyskiw, CDPHE
W. Seyfert, DOE-RFPO
T. Dieter, K-H 371/374
R. Kury, K-H 371/374
R. Leitner, K-H 371/374

3/2

Revised 10/04

CORRES. CONTROL
INCOMING LTR NO.

00524RF04

DUE DATE

ACTION

DIST.	LTR	ENC
BERARDINI, J.H.	X	
BOGNAR, E.S.	X	
BROOKS, L.	X	
BUTLER, L.		
CARPENTER, M.	X	
CRUCCI, J.A.		
CROCKETT, G.A.		
DECK, C.A.	X	
DEGENHART, K.R.		
DEL VECCHIO, D.		
DIETER, T.J.	X	
FERRERA, D.W.	X	
GIACOMINI, J.J.		
LINDSAY, D.C.	X	
LONG, J.W.		
LYLE, J.L.		
MARTINEZ, L.A.	X	
NAGEL, R.E.	X	
NESTA, S.	X	
NORTH, K.	X	
SHELTON, D.C.	X	
SPEARS, M.S.	X	
TUOR, N.R.	X	
WIEMELT, K.	X	
WILLIAMS, J.L.		
ZAHM, C.	X	
Gilbreath/	X	
Leitner, R	X	
COR. CONTROL	X	
ADMIN. RECORD	X	
PATS/130		

Reviewed for Addressee Corres. Control RFP

11/09/04 — Date — By

Ref. Ltr. #

DOE ORDER #

5400.1

RECEIVED
2004 NOV -9 P 12:03
CORRESPONDENCE CONTROL

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

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4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
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TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

November 2, 2004

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Pre-Demolition Survey Report (PDSR) for Building 374 Exterior and East Dock Room 3813 - Approval

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the PDSR for Building 374 Exterior and East Dock Room 3813; Revision 1 dated October 26, 2004. Your letter (dated November 1, 2004) and this PDSR were provided to us on November 2, 2004. Based on the information contained in this PDSR we are hereby approving the PDSR for Building 374 Exterior and East Dock Room 3813.

Although we are approving this PDSR, it is recognized, as discussed with Randy Leitner (with KH), that the metal in the trenches located in Room 3813 and the piping in the slab going from the trenches to the Room 2804 tank farm will be appropriately protected and removed in a manner to prevent contaminant releases, and properly disposed as mixed waste rather than as SCO waste as described in this PDSR.

In addition, our approval of this PDSR and associated closure of the RCRA Unit 374.1 Room 3813, as discussed in Section 4.3, is based on there being an appropriate continuous Administrative Record to properly document that no releases have occurred, as well as the lack of visible stains. However, if radiological contamination is found on the concrete associated with the metal trenches or piping, then the contaminated concrete will need to be disposed as mixed waste, not just LLW or SCO waste.

It must also be noted that, although this PDSR may be sufficient to properly characterize the East Dock (Room 3813) and exterior surfaces of B374 to allow for demolition of the East Dock, we are not agreeing with the determination regarding "Non-Impacted" interior areas of B374 (attics) as discussed in Section 3 of this PDSR. Further discussion regarding possible "Non-Impacted" areas will need to occur prior to approving the PDSR for B374 or other areas that may have potentially "Non-Impacted" areas.

These and all additional demolition activities and related issues are expected to be discussed and resolved utilizing the consultative process and appropriately recorded in Contact Records.

If you have any questions regarding this correspondence please contact me at (303) 692-3367, Denise Onyskiw at (303) 692-3371 or (303) 966-6687, or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc:
Warren Seyfert, DOE
Dave Shelton, KH
Steve Nesta, KH
Harlen Ainscough, CDPHE
Chris Gilbreath, KH
Mark Aguilar, EPA
Sam Garcia, EPA
Randy Leitner, KH
Administrative Records Building T130G

2/2

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

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4300 Cherry Creek Dr. S.
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8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

January 26, 2005

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Pre-Demolition Survey Report (PDSR) for Building 374 (Interior) Area AN Phase I - Approval

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the PDSR for Building 374 (Interior) Area AN Phase I (Revision 0, dated January 5, 2005). Your letter regarding this PDSR, dated January 21, 2005, was received by fax on January 24, 2005. We have provided comments, agreed on resolutions, and received modifications to the initial PDSR Document. Based on the agreed modifications and information contained in this PDSR, we are hereby approving the PDSR for Building 374 (Interior) Area AN Phase I.

As stated in this PDSR, radiologically contaminated areas remain in B374 Area AN within 6 feet of final grade that must and will be removed. We expect that, as stated, all of the remaining contamination within 6 feet of final grade will be properly identified, protected, segregated, controlled, and removed, and none will be left or incorporated into the recycled concrete (free-releasable) rubble that will be left on site. The actions performed and data generated necessary to achieve and document this complete contamination removal must be properly described and provided in the Closeout Report.

The remaining contaminated portions of B374 Area AN that are below 6 feet of final grade, which will not be removed, must also be properly identified and described in the Closeout Report, to include maps or figures showing the extent of remaining infrastructure (slab, walls, floors, pipe lines, drain lines, etc), as well as nature, levels, and extent of remaining contamination.

It is also our understanding, as discussed in the PDSR, that the remaining asbestos contamination (tar impregnated roofing felt) will be properly protected, segregated, controlled, and removed and none will be left or incorporated into the recycled concrete (free-releasable) rubble that will be left on site.

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: December 15, 2004 / 10:00 a.m.

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Steve Gunderson, Denise Onyskiw
Phone: 303-692-3367, 303-692-3371

Agency: CDPHE

Purpose of Contact: Building 371 Decontamination Activities – Canyons and Centralized Storage Vault (CSV); CSV Approval

---

Discussion

Several areas within Building 371 contain relatively high amounts of radioactive contamination. Specifically, the areas commonly referred to as "canyons" and the Centralized Storage Vault (CSV). Based on experiences encountered in both Building 771 and 776/777, decontaminating these areas to meet the unrestricted release criteria is not feasible. In addition to the difficulties associated with meeting the release criteria, aggressive decontamination efforts for both the CSV and the canyons pose numerous safety concerns. Specifically, the ceiling of the CSV is approximately 50' high, while a portion of the canyon ceilings are 30' high. In addition, these areas are relatively narrow. Implementing certain decontamination techniques may pose unacceptable industrial risks to the workers without providing any significant reduction in radiological risk.

As a result, an ALARA-based decontamination approach will be utilized in order to adequately reduce the amount of contamination, the sole purpose being to safely disposition the contaminated concrete as low-level waste during demolition activities. Canyon floors will be "shaved" in order to remove the painted surface and a portion of the concrete surface. Walls will be removed as blocks (prior to demolition) and dispositioned as low-level waste or decontaminated to radiological levels which can be safely controlled during demolition activities. Ceilings will also be decontaminated to radiological levels which can be safely controlled and packaged as waste during demolition activities. Decontamination techniques will consist primarily of paint shaving, chemical wipedowns, and/or application and removal of a paint stripper(s). Following the decontamination effort(s), radiological data will be provided to CDPHE. Once CDPHE agrees that an ALARA-based decontamination approach has been satisfied, these areas will be painted with a highly visible paint and ultimately dispositioned as low-level waste during demolition activities.

Contaminated portions will have a fixative applied prior to removal in order to mitigate the potential for airborne activity. During demolition activities air monitoring will be provided for

worker protection purposes. Following the removal of the contaminated portions of the structure, a visual examination of the rubble will be conducted in order to ensure contaminated surfaces have been removed to the extent practicable.

CSV

After numerous attempts at decontaminating the CSV (chemical wipedowns) for upper walls and the ceiling, CDPHE agrees that an ALARA-based decontamination approach has been satisfied. As a result, the ceiling and upper walls will be painted and ultimately removed as low-level waste during demolition activities utilizing the controls mentioned above.

Mr. Gunderson and Ms. Onyskiw agreed with this approach.

Contact Record Prepared By: Chris Gilbreath

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 707/776/777
C. Gilbreath, K-H 371/374
S. Gunderson, CDPHE
J. Legare, DOE-RFPO
R. Leitner, K-H 371/374
J. Mead, K-H ESS
G. Morgan, DOE-RFPO
S. Nesta, K-H RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

D. Onyskiw, CDPHE
W. Seyfert, DOE-RFPO
R. Kury, K-H 371/374
T. Dieter, K-H 371/374
M. Brown, K-H 371/374
J. Britten, 371/374

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: March 8, 2005 / 10:00 a.m.

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Dave Kruchek
Phone: 303-692-3328

Agency: CDPHE

Purpose of Contact: Building 371 – Dock 5

Discussion

Dock 5 located on the east side of Building 371 was surveyed in accordance with the 371 Decommissioning Operations Plan and the Pre-demolition Survey Plan. During demolition activities on Phase I (Building 374), a portion of Dock 5 created an impediment to completion of demolition. As a result, a portion of the dock was detached. The characterization information for Dock 5 was provided to Mr. Kruchek. Upon review of the data, Mr. Kruchek concurs that Dock 5 has met the unrestricted release criteria. The concrete will be recycled and the structural metal (e.g., rebar) will be dispositioned as sanitary waste.

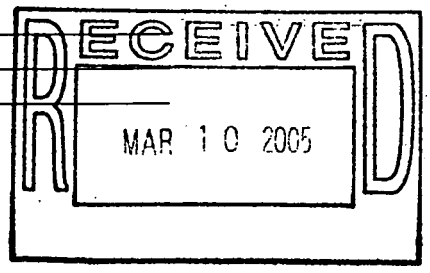
Contact Record Prepared By: Chris Gilbreath

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 707/776/777
S. Garcia, USEPA
C. Gilbreath, K-H 771/774
S. Gunderson, CDPHE
J. Legare, DOE-RFPO
R. Leitner, K-H 371/374
J. Mead, K-H ESS
G. Morgan, DOE-RFPO
S. Nesta, K-H RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

D. Onyskiw, CDPHE
D. Kruchek, CDPHE
W. Seyfert, DOE
T. Dieter, K-H
M. Brown, K-H
R. Kury, K-H



ADMIN RECORD

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: February 15, 2005 / 9:00 a.m.

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Denise Onyskiw
Phone: 303-966-6687

Agency: CDPHE

Purpose of Contact: Building 371 – Embedded Metal

Discussion

During construction activities, concrete was poured around several metal brackets, plates and other miscellaneous items. Unfortunately, removing these embedded items is extremely difficult, if not impossible. Areas of particular difficulty have been walked down with Ms. Onyskiw. The following is a list of miscellaneous embedded metal that has been observed during these walkdowns and the agreement reached with Ms. Onyskiw:

Central Storage Vault (CSV)

- All racks must be removed - Brackets imbedded in walls will be cut off as close as practicable to the wall.
- All metal stairways and catwalks must be removed.
- Large submarine door must be removed; the imbedded door jam may remain.
- Metal plates located in maintenance bays may remain. These plates form a portion of the CSV wall and contain windows and glove ports. The windows and gloves must be removed.
- Railings on which the stacker vehicle traveled may remain since a significant portion of the rail is imbedded in the floor.
- The metal vestibule located on the north end of the repair bay must be removed.
- All electrical conduit and cable must be removed.
- All miscellaneous lifting, hoisting and rigging equipment must be removed.
- Miscellaneous brackets, hardware, and other protrusions extending from floors and walls must be cut off as near as practicable to the wall.
- Miscellaneous door jams and imbedded framing materials may remain.

Basement/Sub-basement Areas

- Miscellaneous brackets, hardware, and other protrusions extending from floors and walls must be cut off as near as practicable to the wall.

- Miscellaneous door jams and imbedded framing materials may remain. However, given that the majority of the basement will be dispositioned as low-level waste, many of these framing materials will be removed during demolition activities.

Other metal will be dispositoned in accordance with the 371 Decommissioning Operations Plan. Ms. Onyskiw agreed with this approach.

Contact Record Prepared By: Chris Gilbreath

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 707/776/777
S. Garcia, USEPA
C. Gilbreath, K-H 771/774
S. Gunderson, CDPHE
J. Légare, DOE-RFPO
R. Leitner, K-H 371/374
J. Mead, K-H ESS
G. Morgan, DOE-RFPO
S. Nesta, K-H RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

D. Onyskiw, CDPHE
W. Seyfert, DOE
T. Dieter, K-H
M. Brown, K-H

26

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

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8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

March 9, 2005

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Pre-Demolition Survey Report (PDSR) for Building 371 Phase II - Area AP/AF (Column Lines 12-15), B371 Exterior, B376, T376A, T371K and T371H, I, & J - Approval

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the PDSR for Building 371 Phase II, Revision 0, dated February 28, 2005. We provided comments, agreed on resolutions, and received modifications to the initial PDSR Document. We subsequently have received the revised PDSR for Building 371 Phase II, Revision 1, dated March 9, 2005. We have also received a copy of your letter regarding this PDSR, dated March 9, 2005. Based on the agreed modifications and information contained in this PDSR (Revision 1), we are hereby approving the PDSR for Building 371 Phase II, which includes B371 Area AP/AF from column lines 12 to 15, B371 exterior, B376, T376A, T371K, and T371H, I, & J.

As stated in this PDSR, radiologically contaminated areas remain in B371 Area AP/AF (specifically in Room 4101) within 6 feet of final grade that must and will be removed. In addition, there is some remaining non-friable ACM that is to be removed. We expect that, as stated, all of the remaining contamination, including the ACM, within 6 feet of final grade will be properly identified, protected, segregated, controlled, and removed, and none will be left or incorporated into the recycled concrete (free-releasable) rubble that will be left on site. The actions performed and data generated necessary to achieve and document this complete contamination removal must be properly described and provided in the Closeout Report.

The remaining contaminated portions of B371 Area AP/AF that are below 6 feet of final grade (in the sub-basement), which will not be removed, must also be properly identified and described in the Closeout Report, to include maps or figures showing the extent of remaining infrastructure (slab, walls, floors, pipe lines, drain lines, etc), as well as nature, levels, and extent of remaining contamination. However, as discussed, it is our understanding the metal stairs that are located below 6 feet will be removed and will not remain in place.

Revised 01/05

CORRES. CONTROL
INCOMING LTR NO.

00131 RFOS

DUE DATE

ACTION

RECEIVED
2005 MAR 30 A 7:35
CORRESPONDENCE CONTROL

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Bill Owens, Governor
Douglas H. Benevento, Executive Director

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Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

DIST.	LTR	ENC
BERARDINI, J.H.	X	
BOGNAR, E.S.	X	
BROOKS, L.	X	
CARPENTER, M.	X	
CIUCCI, J.A.		
CROCKETT, G. A.		
DECK, C. A.	X	
DEGENHART, K. R.		
DEL VECCHIO, D.		
DIETER, T. J.		
FERRERA, D. W.	X	
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	
LONG, J. W.		
MARTINEZ, L. A.	X	
NAGEL, R. E.	X	
NESTA, S.	X	
MORRIS, K.		
SHELTON, D. C.	X	
SPEARS, M. S.	X	
TUOR, N. R.	X	
WIEMELT, K.	X	
WILLIAMS, J. L.		
ZAHM, C.	X	
Ward, D	X	
Gilbreath, C	X	
COR. CONTROL	X	
ADMIN. RECORD	X	
PATS		

Reviewed for Addressee
Corres. Control RFP

3/30/05 LC
Date By

Ref. Ltr. #

DOE ORDER #
5400.1

March 24, 2005

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Building 371 Sub-Basement Decommissioning Operations Plan (DOP) Surveys

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed your letter and the DOP Survey information/data for the sub-basement of Building 371, provided on March 24, 2005. Based on the information and data provided, we agree that the sub-basement of B371 meets the DOP requirements. Therefore, pre-demolition activities, such as the proposed wall and ceiling removals and backfill of the sub-basement may be performed.

As indicated by the data provided, the sub-basement remains radiologically contaminated above unrestricted release levels. However, the data indicates that the radiological contamination is fixed and there is no removable contamination in excess of the unrestricted release levels (less than 20 dpm). The data provided also indicates that the remaining contamination (except for one area identified by ORISE, which has been remediated) meets the DOP requirements (less than 7 nCi/g volumetrically, and less than 100 nCi/g on the surface). The data provided also indicates that there is no Beryllium contamination above the unrestricted release levels in this area. It has also been stated that there is no asbestos or PCB concerns or contamination in this area. In addition, it is also our understanding that all RCRA Units associated with the sub-basement have been properly closed and the appropriate closure documentation will be provided in the Closeout Report for B371, as agreed.

It is our understanding that the eastern walls of the sub-basement as well as parts of the ceiling will be removed as necessary to fill the sub-basement with soil and grout. However, prior to filling the sub-basement, the foundation drains that reside under this area of B371 will be accessed and grout will be appropriately placed, as previously discussed, to block/disrupt these drain lines.

Prior to initiating the above activities, please provide us with the appropriate work plans showing the scope of these activities, and the preventative measures that will be performed to prevent releases of contamination and to properly monitor potential releases of contamination that may occur during these activities.

The remaining infrastructure, as well as locations and extent of foundation drain disruptions, must be properly identified and described in the Closeout Report, to include maps or figures showing the extent of remaining infrastructure (slab, walls, floors, pipe lines, drain lines, etc), as well as nature, levels, and extent of remaining contamination. Capturing these in photographs would provide an excellent historical perspective.

ADMIN RECORD

B371-A-000266

All demolition activities and related issues, including but not limited to the ultimate disposition of the remaining contaminated portions of B371 as well as the disposition/disruption of the foundation drains, are expected to be discussed and resolved utilizing the consultative process.

If you have any questions regarding this correspondence please contact me at (303) 692-3367, Denise Onyskiw at (303) 692-3371 or (303) 966-6687, or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc: Warren Seyfert, DOE
Dave Shelton, KH
Steve Nesta, KH
Karen Wiemelt, KH
Administrative Records – Mountain View
Chris Gilbreath, KH
Mark Aguilar, EPA
Sam Garcia, EPA
Bruce Wallin, DOE

2/2

00212-RL-05

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

April 12, 2005

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Pre-Demolition Survey Report (PDSR) for Building 371 Phase III - Area AP (Column Lines 1-12 & T-Y) and Building 373 and Cooling Tower 911 – Approval of B371 Area AP and Cooling Tower 911 00212-RL-05

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the PDSR for Building 371 Phase III, Revision 0, dated April 4, 2005. We have also received a copy of your letter regarding this PDSR, dated April 11, 2005. Based on the information contained in this PDSR, we are hereby approving the PDSR for Building 371 Phase III, including the B371 Area AP from column lines 1-12 and T-Y and the Cooling Tower 911.

However, we are not approving the PDSR for B373 at this time. Although we have no issues with the current information or conclusions as provided, as previously discussed during our walkdown of this area on April 4, 2005, the tank or vault on the north side of B373 needs to be properly investigated. This tank currently contains water that needs to be characterized and removed. Once this tank has been drained then the appropriate PDS information will need to be collected and provided to us for our review and approval. As such, once this supplemental information is provided we should be able to provide our approval of the PDSR for B373. Rather than submit this supplemental information through another PDSR, we believe that a Contact Record would be sufficient to provide this information and record our final approval (and resolution of any issues that may arise) of the PDSR for B373.

If you have any questions regarding this correspondence please contact me at (303) 692-3367, Denise Onyskiw at (303) 692-3371 or (303) 966-6687, or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc: Warren Seyfert, DOE
Dave Shelton, KH
Steve Nesta, KH
Karen Wiemelt, KH
Chris Gilbreath, KH
Mark Aguilar, EPA
Sam Garcia, EPA
Administrative Records - Mountain View

1/1

Revised 05/05

CORRES. CONTROL
INCOMING LTR NO.

00245RF05

DUE DATE

ACTION

DIST.	LTR	ENC
BERARDINI, J.H.	X	
BOGNAR, E.S.	X	
BROOKS, L.	X	
CARPENTER, M.	X	
CIUCCI, J.A.		
CROCKETT, G. A.	X	
DECK, C. A.	X	
DEGENHART, K. R.	X	
DEL VECCHIO, D.		
FERRERA, D. W.	X	
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	
LONG, J. W.		
NESTA, S.	X	
SHELTON, D. C.	X	
SPEARS, M. S.	X	
TUOR, N. R.	X	
WARD, D.	X	
WIEMELT, K.	X	
ZAHM, C.	X	
Gilbreath, C	X	
COR. CONTROL	X	
ADMIN. RECORD	X	

Reviewed for Addressee
Corres. Control RFP

5/19/05 DL
Date By

Ref. Ltr. #

DOE ORDER #
5400.1

RECEIVED

2005 MAY 19 A 7:45

CORRESPONDENCE CONTROL

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
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Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

May 13, 2005

Mr. Joe Legare
Director, Project Management Division
U.S. Department of Energy, Rocky Flats Project Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: Final Status Survey Report (FSSR) for Building 371 Phase 4 and 5 - Approval

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division has reviewed the FSSR for Building 371 Phase 4 and 5, Revision 0, dated May 2, 2005. We have also received a copy of your letter regarding this FSSR, dated May 12, 2005. Based on the information contained in this FSSR, and modifications as discussed and agreed to be provided in Revision 1, we are hereby approving the findings as provided in the FSSR for Building 371 Phase 4 & 5, allowing for the appropriate demolition of the remainder of B371.

Since the radiological investigations performed for this FSSR are not meant to meet the requirements of the Pre-Demolition Survey Plan (PDSP), none of the material in Phase 4 and 5 can be determined to meet the radiological unrestricted release criteria for fixed contamination. As such, and as stated in the FSSR, although there does not appear to be any removable contamination above unrestricted release levels, all of the remaining material associated with B371 Phase 4 and 5 is considered radiologically contaminated. Therefore, all of the material to be removed must be managed and disposed appropriately, which as stated in the FSSR will be as Low Level Radiological Waste, and can not be disposed as sanitary waste.

It is also recognized that all of the structure that will remain below 6 feet of final grade may not have undergone a 100% radiological scan survey, specifically some of the walls. However, the information provided indicates that all of the remaining concrete structure does meet DOP requirements. In addition, conservative assessments and determinations of the amount of remaining radiological contamination have been provided.

Considering that all of this material is considered contaminated, we expect appropriate management to be performed during demolition, including dust suppression and application of fixatives, as well as appropriate air monitoring as described in the FSSR and in the demolition work plan, to include local

and personal air monitors, and appropriate run-off controls. It is also expected that the demolition of this building will be performed in a manner similar to that of B776/777, to limit the amount of stockpiled contaminated debris.

Prior to initiating demolition activities, please provide us with the appropriate work plans showing the scope of these activities (including changes), and the preventative measures that will be performed to prevent releases of contamination and to properly monitor potential releases of contamination that may occur during these activities. This should not only include air monitoring, but also measures to identify and prevent runoff, and collect and sample the water from this area during demolition, to include dust suppression water.

The remaining infrastructure, as well as locations and extent of foundation drain disruptions, must be properly identified and described in the Closeout Report, to include maps or figures showing the extent and condition of remaining infrastructure (slab, walls, floors, pipe lines, drain lines, sewer lines, etc), as well as nature, levels, and extent of remaining contamination.

These and other potential issues that may arise during demolition, disruption/plugging of the foundation drains, or other activities/issues associated with B371 should be discussed and resolved utilizing the consultative process.

If you have any questions regarding this correspondence please contact me at (303) 692-3367, Denise Onyskiw at (303) 692-3371 or (303) 966-6687, or David Kruchek at (303) 692-3328.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc: Warren Seyfert, DOE
Dave Shelton, KH
Steve Nesta, KH
Karen Wiemelt, KH
Chris Gilbreath, KH
Mark Aguilar, EPA
Sam Garcia, EPA
Administrative Records - Mountain View

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	January 12, 2005 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert	**Phone:**	303-966-5925
	Rick Von Feldt		303-966-6830
	Chris Gilbreath		303-966-7355
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
	Dave Kruchek		303-966-6728
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 9, 38, and 52 in Building 371 and Area AN Dismantlement in Building 374.

Discussion

This Contact Record documents the completion of Sets 9, 38, and 52 in Building 371 based on the walkdown conducted on January 12, 2005 with Rick Von Feldt (B371), Warren Seyfert (DOE), and Denise Onyskiw (CDPHE). Also, the completion of Area AN Dismantlement in Building 374 is documented based on the walkdown conducted on January 10, 2005 with Chris Gilbreath (B371), Warren Seyfert (DOE), Denise Onyskiw (CDPHE), and Dave Kruchek (CDPHE).

Set 9:

This contact record documents that Set 9 is complete and that the Site can count this as a completed Milestone. Set 9 consists of the Central Storage Vault (CSV) and associated rooms, including Rooms 1204, 1206, 1214, 1216, 1218, 1220, 1222, 1224, 1230, and Input/Output (I/O) Stations 1, 2, 3, 4, 5, 6, 7, and 8. The plutonium storage racks and the spare and primary Stacker/Retrievers have been removed and packaged as described in the Decommissioning Operations Plan (DOP). I/O Stations 1, 2, 3, 4, 5, 7, and 8 have also been removed. However, an exception is taken for the transfer vehicle and repair lift which have not been removed because they are needed for conduit and equipment removal under the Area AC Dismantlement activity.

Set 38:

This contact record documents that Set 38 is complete and that the Site can count this as a completed Milestone. Set 38 includes Rooms 2201, 2202, 2202A/B/C, 2221, 2301, 2304,

2306, and 2316 and involved the removal of piping, conduit, and ventilation to provide support for adjacent Dismantlement Sets and to complete TRU waste removal.

Set 52:

This contact record documents that Set 52 is complete and that the Site can count this as a completed Milestone. Set 52 includes a portion of Room 2310 and involved the preparation of Filter Plenum FP-243 for removal. Filter Plenum FP-243 has been air gapped and the first and second stage filters have been removed. The filter plenum has also been decontaminated to < 2000 dpm in preparation for removal by Building Trades.

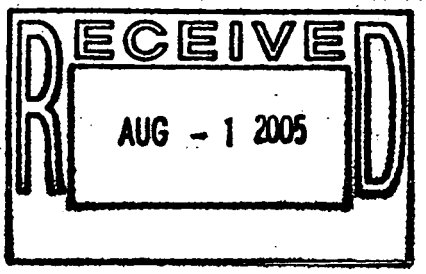
Area AN – (B374 Waste Processing) Dismantlement:

This contact record documents that Area AN – (B374 Waste Processing) Dismantlement is complete and that the Site can count this as a completed Milestone. Area AN consists of Building 374, the Liquid Waste Process Treatment Building. Area AN Dismantlement involved the removal of equipment, fixtures, utilities, piping, ventilation systems, and electrical systems not removed under the set dismantlement activities. All items have been removed to facilitate Pre-Demolition Surveys and Area AN Dismantlement is verified complete.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Von Feldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	December 1, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert	**Phone:**	303-966-5925
	Jim Floerke		303-966-2850
	Randy Leitner		303-966-3537
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 6 and 10 in Building 371.

Discussion

This Contact Record documents the completion of Sets 6 and 10 based on the walkdown conducted on December 1, 2004 with Jim Floerke (B371), Randy Leitner (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE).

Set 6:

This contact record documents that Set 6 is complete and that the Site can count this as a completed Milestone. Set 6 includes the Oxide and Residue Tank Vaults (Rooms 3563 and 3559), the Ion Exchange Canyons (Rooms 3553, 3549 and Airlock 3551), the Ion Exchange Valve Maintenance Corridor (Rooms 3543, 3545, 3547, 3555, and 3557), and the Access Corridor (Room 3567). Dismantlement of this set involved the removal and packaging of gloveboxes, tanks, ion exchange columns, and downdraft tables. All gloveboxes, tanks, columns, and downdraft tables have been removed and Set 6 is verified complete.

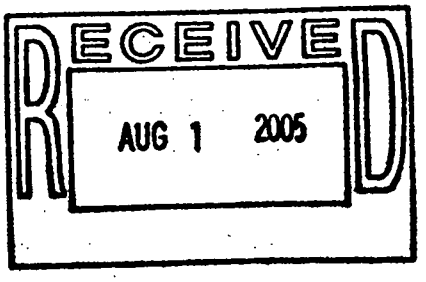
Set 10:

This contact record documents that Set 10 is complete and that the Site can count this as a completed Milestone. Set 10 includes Rooms 1208, 1210, and 2217 and involved the removal and packaging of Scrubbers D230 A/B, Tank D-715, and storage vault racks. The scrubbers, tank, and racks have been removed and Set 10 is verified complete.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Von Feldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
R. Leitner, K-H
D. Shelton, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ADMIN RECORD

Contact Record 12/1/04

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	November 3, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert	**Phone:**	303-966-5925
	Jim Floerke		303-966-2850
	Randy Leitner		303-966-3537
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 19 and 40 in Building 371/374.

Discussion
This Contact Record documents the completion of Sets 19 and 40 based on the walkdown conducted on November 3, 2004 with Jim Floerke (B371), Randy Leitner (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE).

Set 19:

This contact record documents that Set 19 is complete and that the Site can count this as a completed Milestone. Set 19 includes Rooms 2804 and involved the removal and packaging of gloveboxes, tanks, and pumps. All gloveboxes, tanks, and pumps have been removed and Set 19 is verified complete.

Set 40:

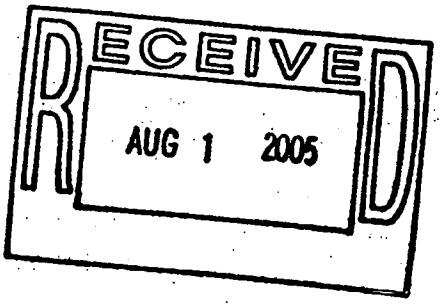
This contact record documents that Set 40 is complete and that the Site can count this as a completed Milestone. Set 40 includes Room 2203 and involves the removal and packaging of Filter Plenums FP-125A and FP-125B. Filter Plenum FP-125B has been removed and Filter Plenum FP-125A has been decontaminated and encapsulated in preparation for removal by Building Trades.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

ADMIN RECORD

Distribution:
S. Bell, RFPO
J. Legare, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Von Feldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
R. Leitner, K-H
D. Shelton, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	October 6, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert Rick Von Feldt	**Phone:**	303-966-5925 303-966-6830
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 17, 22, 41 and 50 in Building 371/374.

Discussion
This Contact Record documents the completion of Sets 17, 22, 41 and 50 based on the walkdown conducted on October 6, 2004 with Rick Von Feldt (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE).

Set 17:

This contact record documents that Set 17 is complete and that the Site can count this as a completed Milestone. Set 17 includes Rooms 3515 and 3531 and involved the removal and packaging of Glovebox 32, furnaces, pneumatic lifts, manipulators, fluorination pumps, and associated equipment. The glovebox and equipment have been removed and Set 17 is verified complete.

Set 22:

This contact record documents that Set 22 is complete and that the Site can count this as a completed Milestone. Set 22 includes Rooms 2801, 2802, 2805, and 2808 and involved the removal and packaging of filter plenums, supply air units, chiller units and pumps. All equipment has been removed or is ready for removal by Building Trades as part of Decommissioning Area AN.

Set 41:

This contact record documents that Set 41 is complete and that the Site can count this as a completed Milestone. Set 41 includes Room 2213 and involved the removal and packaging of Filter Plenums FP-241 and FP-242. Equipment internal and external to the

filter plenums has been removed and the plenum structure prepared for removal by Building Trades.

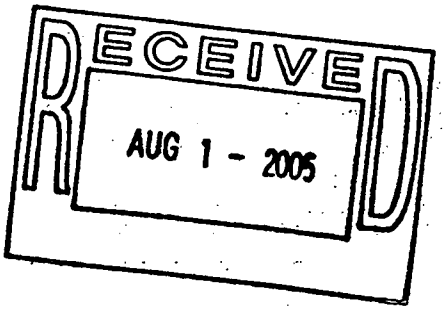
Set 50:

This contact record documents that Set 50 is complete and that the Site can count this as a completed Milestone. Set 50 consists of a portion of Room 2310 and involved the removal and packaging of Filter Plenum FP-141. Equipment internal and external to the filter plenum has been removed and the plenum structure prepared for removal by Building Trades.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Von Feldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ADMIN RECORD

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

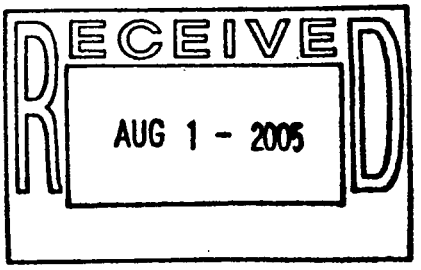
Date/Time:	August 4, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert Rick Von Feldt	**Phone:**	303-966-5925 303-966-6830
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Set 29 in Building 371/374.

Discussion
This Contact Record documents the completion of Set 29 based on the walkdown conducted on August 4, 2004 with Rick Von Feldt (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE).

Set 29:

This contact record documents that Set 29 is complete and that the Site can count this as a completed Milestone. Set 29 includes Rooms 3713, 3715, and 3717 and involved the removal and packaging of the PuSPS and residue processing gloveboxes. All gloveboxes and associated equipment have been removed and Set 29 is verified complete.



ADMIN RECORD

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Von Feldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	July 14, 2004 / 10:00 a.m.		
Site Contact(s):	Warren Seyfert Jim Floerke	**Phone:**	303-966-5925 303-966-2850
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 18 and 58 in Building 371/374.

Discussion
This Contact Record documents the walkdown conducted on July 14, 2004 with Jim Floerke (B371), Rocky Sturgeon (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) regarding completion of Sets 18 and 58.

Set 18:

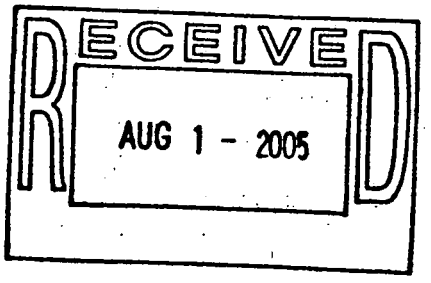
This contact record documents that Set 18 is completed and that the Site can count this as a completed Milestone. Set 18 dismantlement in Room 3801 included the removal and packaging of gloveboxes and pumps, and the encapsulation of tanks. The encapsulated tanks will be removed under the demolition contract.

Set 58:

This contact record documents that Set 58 is completed and that the Site can count this as a completed Milestone. Set 58 includes Rooms 3803, 4805, and 4807 and involved the removal and packaging of tanks, gloveboxes, and associated equipment. Gloveboxes 118 and 120 were cleaned and encapsulated for removal under the demolition contract.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

Distribution:
S. Bell, RFPO
J. Legare, RFPO
G. Morgan, RFPO
R. Schassburger, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Kruchek, CDPHE
D. Onyskiw, CDPHE
D. Coyne, K-H
T. Dieter, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
R. Sturgeon, K-H
R. Vonfeldt, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	June 30, 2004 / 9:30 a.m.		
Site Contact(s):	Warren Seyfert Jim Floerke	**Phone:**	303-966-5925 303-966-2850
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Set 46 in Building 371/374.

Discussion

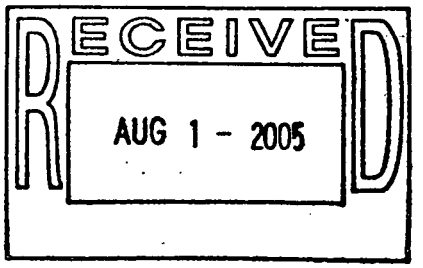
This Contact Record documents the completion of Set 46 based on the walkdown conducted on June 9, 2004 with Jim Floerke (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) and the review of survey results for Survey Characterization Unit SCO-00371-00269-REV0, Building 371/374 Health Physics Vacuum System.

Set 46:

This contact record documents that Set 46 is complete and that the Site can count this as a completed Milestone. Set 46 includes Room 2207 and involves the removal of control equipment for ventilation and health physics vacuum equipment. Survey results for the health physics vacuum system in Room 2207 are less than 2000 dpm removable contamination and the equipment will therefore be removed by Building Trades as part of Decommissioning Area AD. This meets the terms for Dismantlement Sets and Decommissioning Areas described in the Building 371/374 Decommissioning Operations Plan.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

Distribution:
S. Bell, RFPO
J. Legare, RFPO
G. Morgan, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Onyskiw, CDPHE
T. Dieter, K-H
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	June 9, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert Jim Floerke	**Phone:**	303-966-5925 303-966-2850
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Set 12 in Building 371/374.

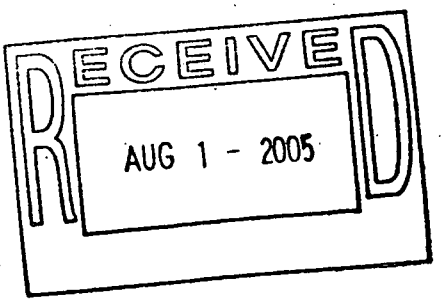
Discussion
This Contact Record documents the walkdown conducted on June 9, 2004 with Jim Floerke (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) regarding completion of Set 12.

Set 12:

This contact record documents that Set 12 is essentially complete and that the Site can count this as a completed Milestone. Set 12 includes Rooms 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1125, 1127, 2319, and 2327, and involved the removal and packaging of gloveboxes, tanks, pumps, scrubbers, evaporators, and I/O Station 8. All items were removed with the exception of criticality tank D-713 that is needed for plenum deluge and scrubber tanks D-131 A/B needed to protect ventilation ductwork. The criticality tank and scrubber tanks will be removed later in the decommissioning process. Other than the two exceptions, there are no deviations from the Set Description identified in the B371/374 DOP.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

Distribution:
S. Bell, RFPO
J. Legare, RFPO
G. Morgan, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	May 25, 2004 / 9:00 a.m.		
Site Contact(s):	Warren Seyfert Jim Floerke	**Phone:**	303-966-5925 303-966-2850
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 23 and 51 in Building 371/374.

Discussion
This Contact Record documents the walkdown conducted on May 25, 2004 with Jim Floerke (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) regarding completion of Sets 23 and 51.

Set 23:

This contact record documents that Set 23 is completed and that the Site can count this as a completed Milestone. Set 23 consists of the Americium Processing Tank Vault (Room 3337), Americium Procession Ion Exchange Canyons (Rooms 3327, 3331, and Airlock 3329), the Americium Processing Valve Maintenance Corridor (Rooms 3323, 3325, 3331, 3333, and 3335) and Access Corridor 3341. Dismantlement work in Set 23 involved the removal and packaging of gloveboxes, tanks, and other equipment. All items were removed and there are no deviations from the Set Description identified in the B371/374 DOP.

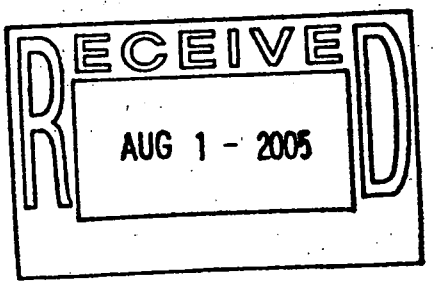
Set 51:

This contact record documents that Set 51 is completed and that the Site can count this as a completed Milestone. Set 51 consists of a portion of Room 2310 and involved the removal and packaging of Filter Plenum FP-142. Items internal to the filter plenum and external equipment were removed and the plenum structure prepared for removal under the demolition contract.

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
G. Morgan, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ADMIN RECORD

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	April 7, 2004 / 10:00 a.m.		
Site Contact(s):	Warren Seyfert Jim Floerke	**Phone:**	303-966-5925 303-966-2850
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Sets 26 and 57 in Building 371/374.

Discussion
This Contact Record documents the walkdown conducted on April 7, 2004 with Jim Floerke (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) regarding completion of Sets 26 and 57.

Set 26:

This contact record documents that Set 26 is completed and that the Site can count this as a completed Milestone. Set 26 consists of Room 3602 and involved the removal and packaging of Gloveboxes 1, 2, and 3. All items were removed and there are no deviations from the Set Description identified in the B371/374 DOP.

Set 57:

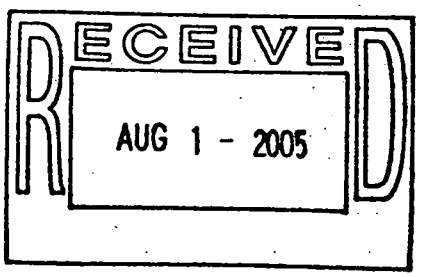
This contact record documents that Set 57 is completed and that the Site can count this as a completed Milestone. Set 57 consists of Room 3810, a portion of Room 3809, and Room 4814 and involved the removal and packaging of vapor body tanks, pumps, and heat exchangers. Some heat exchangers and tanks were isolated, drained, and encapsulated for later removal under the demolition contract as part of the decommissioning area. Pumps P-824, P-825, P-840, and P-861 were less than 2000 dpm and will be removed under the demolition contract.

Actions: None

Contact Record Prepared By: Warren Seyfert, RFPO, Project Management

---

Distribution:
S. Bell, RFPO
J. Legare, RFPO
G. Morgan, RFPO
W. Seyfert, RFPO
J. Hindman, CDPHE
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
H. Gilpin, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ADMIN RECORD

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	January 7, 2004 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert	**Phone:**	303-966-5925
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3371
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: (1) Notification to CDPHE of completion of Sets 8, 16, and 39 and Predetermined Work Activities 1AC109ED00 and 1AQ31DR02B.

Discussion

This Contact Record documents the walkdown conducted on January 7, 2004 with Jim Floerke (B371), Warren Seyfert (DOE) and Denise Onyskiw (CDPHE) regarding completion of Sets 8, 16, and 39 and Predetermined Work Activities 1AC109ED00 and 1AQ31DR02B.

Set 8:

This contact record documents that Set 8 is completed and that the Site can count this as a completed Milestone. Set 8 consists of rooms 3202, 3204, 3206, and 3208 and involved the removal and packaging of Gloveboxes 39, 40, 41, 42, 43, 43, 44, and 45; pencil tanks; and annular tanks. All items were removed and there are no deviations from the Set Description identified in the B371/374 DOP.

Set 16:

This contact record documents that Workset #16 is completed and that the Site can count this as a completed Milestone. Workset #16 consists of rooms 3511, 3521, 3523, and 3525 and involved the removal and packaging of Glovebox 33; Precipitation Tanks T-11 A/B/C/D, T-12 A/B/C/D, T-13 A/B/C/D; Furnaces F-4 A/B/C/D, F-5 A/B/C/D, F-6 A/B/C/D; Pneumatic Lifts ME-93 A/B, ME-94 A/B/C/D, ME-95 A/B/C/D, ME-96 A/B/C/D, ME-97 A/B/C/D, ME-98 A/B/C/D, ME-99 A/B/C/D, ME-100 A/B, and ME-182 A/B; Fluorination Tanks T-23 A/B/C/D, D-266 A/B/C/D; Fluorination Pumps C-1A/B; and associated equipment. Items internal to the contaminated gloveboxes and tanks were also removed. All items were removed and there are no deviations from the Set Description identified in the B371/374 DOP.

Set 39:

This contact record documents that Set 39 is completed and that the Site can count this as a completed Milestone. Set 39 includes the corridors on the sub-basement level. Items located in the corridor (i.e., external equipment) were removed. Piping, conduit, and remaining ventilation ductwork were removed, as necessary, to provide support for adjacent Dismantlement Sets. All items were removed and there are no deviations from the Set Description identified in the B371/374 DOP.

Predetermined Work Activity (PWA) 1AC109ED00:

This contact record documents that PWA 1AC109ED00 is completed and that the Site can count this as a completed Milestone. PWA 1AC109ED00 involved the removal of pallets from the Central Storage Vault (Set 09). All pallets were removed and there are no deviations from the Work Activity Description.

Predetermined Work Activity (PWA) 1AQ31DR02B:

This contact record documents that PWA 1AQ31DR02B is completed and that the Site can count this as a completed Milestone. PWA 1AQ31DR02B involved the draining of non-actinide liquids in the main aqueous processing rooms 3547, 3549, 3553, 3555, 3559, and 3563. All liquids were drained and there are no deviations from the Work Activity Description.

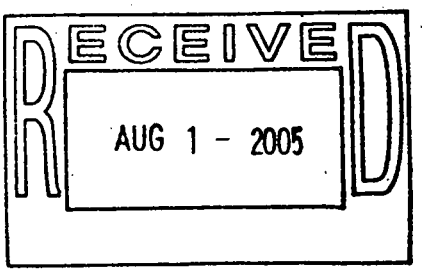
Actions:

- None

Contact Record Prepared By: Warren Seyfert, RFFO, ESD/AMP

Distribution:

L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
J. Hindman, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374



ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	October 1, 2003 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert James Brothers	**Phone:**	303-966-5925 303-966-7756
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3328
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: Notification to CDPHE of completion of Workset #13.

Discussion
This Contact Record documents the walkdown conducted on October 1, 2003 with Jim Floerke (B371), Denise Onyskiw (CDPHE) and Warren Seyfert (DOE) which validated that Workset #13 was completed in accordance with the DOP. It was also verified that the vault alarms in B371 were deactivated in accordance with the PWA.

Workset #13:

This contact record documents that Workset #13 is completed and that the Site can count this as a completed Milestone. Workset #13 consisted of the removal of tanks and gloveboxes in Rooms 2307, 2317, and 2319.

Actions:

- None

Contact Record Prepared By: Warren Seyfert, RFFO, ESD/AMP

Distribution:
L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
J. Hindman, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	September 17, 2003 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert James Brothers	**Phone:**	303-966-5925 303-966-7756
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3328
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: (1) Notification to CDPHE of completion of Worksets #1 and #2.

Discussion
This Contact Record documents the walkdown conducted on September 17, 2003 with Jim Floerke (B371), James Brothers (DOE), Denise Onyskiw (CDPHE) and Warren Seyfert (DOE) regarding completion of Worksets #1 and #2 to validate the sets were completed in accordance with the DOP.

Worksets #1 and #2:

This contact record documents that Worksets #1 and #2 are completed and that the Site can count this as a completed Milestone. Workset #1 consisted of Room 4301 (North Attic) and involved the removal of piping, conduit, and ventilation, as necessary. Workset #2 consisted of Rooms 4202 and 4303 (South Attic) and involved the removal and packaging of piping, conduit, and ventilation, as necessary. Remaining piping, electrical, and ventilation systems in the attic will be removed as described in the DOP for Decommissioning Areas AL and AM.

Actions:

- None

Contact Record Prepared By: Warren Seyfert, RFFO, ESD/AMP

Distribution:
L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
D. Kruchek, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	August 6, 2003 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert James Brothers	**Phone:**	303-966-5925 303-966-7756
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3328
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: (1) Notification to CDPHE of completion of Workset #35.

Discussion
This Contact Record documents the walkdown conducted on August 6, 2003 with Jim Floerke (B371), James Brothers (DOE), Denise Onyskiw (CDPHE) and Warren Seyfert (DOE) regarding completion of Workset #35 to validate the set was completed in accordance with the DOP.

Workset 35:

This contact record documents that Workset #35 is completed and that the Site can count this as a completed Milestone. Workset #35 consisted of Room 3606 and Room 3189 and involved the removal and packaging of drum storage operations.

Actions:

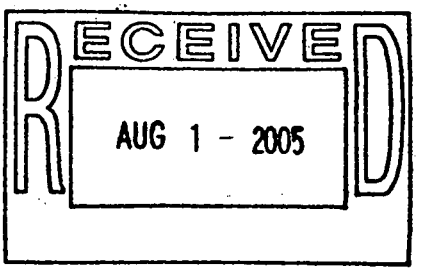
- None

Contact Record Prepared By: Warren Seyfert, RFFO, ESD/AMP

Distribution:

L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
D. Kruchek, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H

L. Brooks, K-H
Administrative Records for B371/374



Contact Record 8/6/03

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	July 2, 2003 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert James Brothers	**Phone:**	303-966-5925 303-966-7756
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3328
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: (1) Notification to CDPHE of completion of Workset(s) #4 and 14.

Discussion
This Contact Record documents the walkdown conducted on July 2, 2003 with Jim Floerke (B371), James Brothers (DOE), Denise Onyskiw (CDPHE) and Warren Seyfert (DOE) regarding completion of Workset(s) #4 and 14 to validate the sets were completed in accordance with the DOP.

Workset 4:

This contact record documents that Workset #4 is completed and that the Site can count this as a completed Milestone. Workset #4 consisted of room 3571 and involved the removal and packaging of gloveboxes 66; tanks D133, D150, D151, D152A, D152B; evaporator-reboiler E55; evaporator bottoms cooler E56; condenser E57 and nitric acid feed heat exchanger E62. All items were removed and there are no deviations from the Set Description and Major Endpoints identified in Mod 3 of the B771/774 DOP.

Workset 14:

This contact record documents that Workset #14 is complete and that the Site can count this as a completed Milestone. Workset #14 consisted of rooms 2323, 2325 and 2341 and involved the removal and packaging of gloveboxes 8, 9, 10, 12, 13, 1526 and tank D1575. All items were removed and there are no deviations from the Set Description and Major Endpoints identified in Mod 3 of the B771/774 DOP.

Actions:

- None

Contact Record Prepared By: James Brothers, RFFO, FCG/AMFD

Distribution:
L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
D. Kruchek, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time:	November 5, 2003 / 8:00 a.m.		
Site Contact(s):	Warren Seyfert James Brothers	**Phone:**	303-966-5925 303-966-7756
Regulatory Contact:	Denise Onyskiw	**Phone:**	303-692-3328
Agency:	Colorado Department of Public Health & Environment		

Purpose of Contact: (1) Notification to CDPHE of completion of Workset(s) #21 and 56.

Discussion

This Contact Record documents the walkdown conducted on November 5, 2003 with Dan Coyne (B371), James Brothers (DOE) and Denise Onyskiw (CDPHE) regarding completion of Workset(s) #21 and 56 to validate the sets were completed in accordance with the DOP.

Workset 21:

This contact record documents that Workset #21 is completed and that the Site can count this as a completed Milestone. Workset #21 consisted of rooms 4802, 4812, the north portion of Room 3809 and one tank in room 3801, and involves the removal and packaging of Tanks D-826C, D-883 A/B, D-884, and D-885; Spray Dryer W-803; spray dryer blowers B-805 A/B; Storage Hoppers H-804 and 805; and the spray dryer bag filter FL-803. All items were removed and there are no deviations from the Set Description and Major Endpoints identified in B371/374 DOP.

Workset 56:

This contact record documents that Workset #56 is complete and that the Site can count this as a completed Milestone. Workset #56 consisted of room 3801 and involves the removal and packaging of gloveboxes 107 and 113 and Tanks D-806and D-807 A/B, Items internal to the contaminated gloveboxes and tanks will also be removed. All items were removed and there are no deviations from the Set Description and Major Endpoints identified in B371/374 DOP.

Actions:

- None

Contact Record Prepared By: James Brothers, RFFO, FCG/AMFD

Distribution:
L. Kilpatrick, RFFO
S. Bell, RFFO
J. Schneider, RFFO
J. Legare, RFFO
W. Seyfert, RFFO
J. Hindman, CDPHE
H. Gilpin, K-H
D. Onyskiw, CDPHE
R. Vonfeldt, K-H
J. Floerke, K-H
C. Gilbreath, K-H
D. Shelton, K-H
D. Ward, K-H
K. North, K-H
L. Brooks, K-H
Administrative Records for B371/374

ATTACHMENT H

MAP OF DECOMMISSIONING AREAS

ATTACHMENT G

CORRESPONDENCE IDENTIFIED THROUGHOUT DOCUMENT

RTF-0001-00
CO-DOE-03797

Rocky Flats Environmental Technology Site

RECONNAISSANCE-LEVEL CHARACTERIZATION REPORT (RLCR)

BUILDING 371 CLUSTER

REVISION 0

August 28, 2000

This report was approved by:

Tom Scott, Project Manager, KH D&D Advanced Planning — 8/28/00 Date

Jeff Stevens, Manager, KH D&D Closure Projects — 8/31/00 Date

Joe Majestic, B371 Planning & Integration Project Lead — 8/31/00 Date

Joseph Mahaffey, Manager, Radiological Engineering — 8-31-00 Date

Rebecca A. Eklund, K-H Occupational Safety & Industrial Hygiene — 8/31/00 Date

Stephen Luker, Project Manager, Quality Assurance — 8/31/00 Date

REVIEWED FOR CLASSIFICATION/UCNI
By
Date 09-05-00

1/169

Rocky Flats Environmental Technology Site

RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

BUILDING 371 CLUSTER

REVISION 1

August 28, 2000

STATE OF COLORADO

Bill Owens, Governor
Jane E. Norton, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

January 31, 2001

Mr. Joseph A. Legare, Assistant Manager
Environment and Infrastructure
U.S. Department of Energy, RFFO
10808 Highway 93, Unit A
Golden, CO 80403-8200

RE: RLCR for the Building 371 Cluster at Rocky Flats Environmental Technology Site (RFETS)

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the "Division") has completed reviewing the *Reconnaissance Level Characterization Report (RLCR) for the Building 371 Cluster (Revision 0, dated August 28, 2000)* and supporting data. In accordance with Section 3.3.4 of the *Decommissioning Program Plan*, the Division hereby concurs with the remaining determinations regarding facility classifications as follows: Tanks 167, 168, 169, 224, 225, 226, 227, and 228 are Type 2 facilities; Buildings 373, 374A, 377, 378, and 381 are Type 1 facilities; and Tanks 163, 164, 165, 170, 262, and 262A are Type 1 facilities. Since Tank 262 is an underground tank, it will require further characterization including appropriate radiological characterization when it is excavated. If you have any questions regarding this matter please contact James Hindman at (303) 692-3345.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

cc: F. Gerdeman, DOE-RFFO
D. Shelton, Kaiser-Hill
J. Stevens, Kaiser-Hill
T. Rehder, EPA Region VIII
Administrative Records, Building 850

1/1

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

ADMIN RECORD

B371-A-000016

STATE OF COLORADO

Bill Owens, Governor
Jane E. Norton, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

Colorado Department
of Public Health
and Environment

October 12, 2001

Mr. Joseph A. Legare
Assistant Manager for Environment and Infrastructure
US Department of Energy, Rocky Flats Field Office
10808 Highway 93, Unit A
Golden, CO 80403-8200

Re: Approval of the facility typing as reported in the Reconnaissance Level Characterization/Pre-Demolition Survey Report: 371 North Side Demolition Project

Dear Mr. Legare:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division), has reviewed the Reconnaissance Level Characterization Pre-Demolition Survey Report for the 371 North Side Demolition Project. The Division hereby approves the following:

- Tanks 163, 164, 165, and 167 are free of contamination and can be released
- Tanks 168 and 169 are empty and free of hazardous waste characteristics and are considered free of contamination and can be released
- The related containment, berms, and pads are considered Type 1 structures and can be released.

Sincerely,

Steven H. Gunderson
RFCA Project Coordinator

Denise M. Onyskiw
CDPHE 371/374 Project Manager

cc: Jim Floerke, K-H
Fred Gerdeman, DOE
Timothy Rehder, EPA
Dave Shelton, K-H
Mark Spears, K-H
Administrative Records, B850

1/1

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: 7-13-04 / 1300

Site Contact(s): Randy Leitner
Phone: 3537

Regulatory Contact: Denise Onyskiw
Phone: 6687

Agency: CDPHE

Purpose of Contact: Demo of B374A

Discussion
Ms. Onyskiw was contacted to discuss the proposed demolition of B374A Carpenter Shop. This structure has been characterized as a Type 1 facility as indicated in the B371/374 Decomissioning Operations Plan (DOP). Confirmatory surveys were completed on June 28, 2004, and are documented in Survey Unit 374018. The surveys confirmed that the structure meets the unrestricted release criteria. A Property/Waste Release Evaluation (No. 040712-00371-01) was also completed for the waste resulting from this activity.

Ms. Onyskiw agreed that the B371/374 project is authorized to proceed with the demolition of B374A as planned.

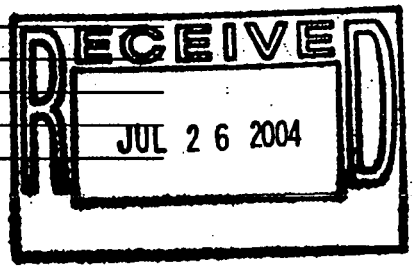
Contact Record Prepared By: Randy Leitner

Required Distribution:

M. Aguilar, USEPA
S. Bell, DOE-RFPO
B. Birk, DOE-RFPO
C. Deck, K-H Legal
D. Foss, K-H 707/776/777
S. Garcia, USEPA
C. Gilbreath, K-H 771/774
S. Gunderson, CDPHE
J. Legare, DOE-RFPO
R. Leitner, K-H 371/374
J. Mead, K-H ESS
G. Morgan, DOE-RFPO
S. Nesta, K-H RISS
K. North, K-H ESS/MS
R. Schassburger, DOE-RFPO
D. Shelton, K-H ESS
C. Zahm, K-H Legal

Additional Distribution:

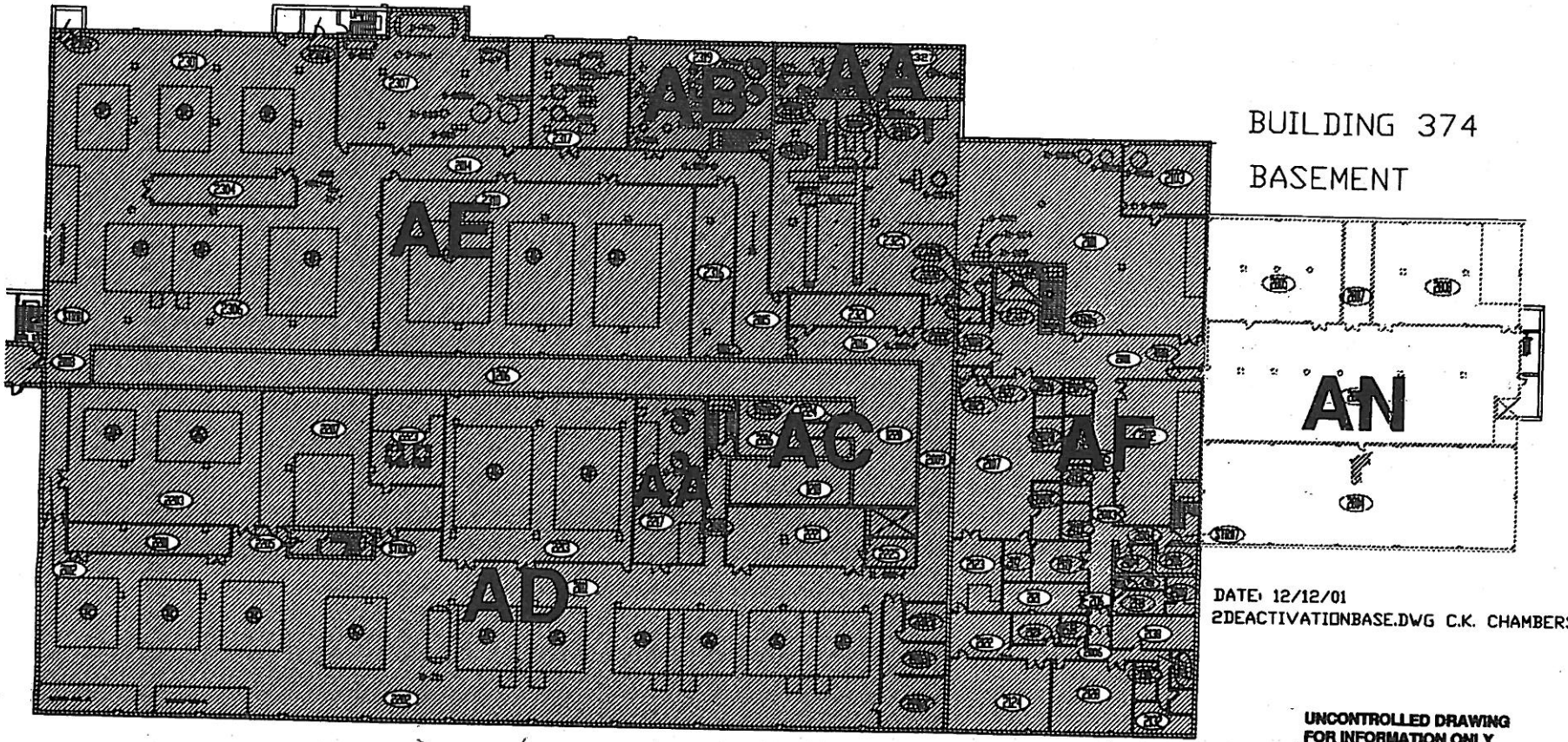
D. Kruchek, CDPHE
W. Seyfert, DOE-RFPO
D. Ward, SSOC 371/374



ADMIN RECORD

BUILDING 371/374
DECOMMISSIONING AREAS

BUILDING 371 BASEMENT



BUILDING 374
BASEMENT

DATE: 12/12/01
2DEACTIVATIONBASE.DWG C.K. CHAMBERS

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Official: J. A. NESHEIM
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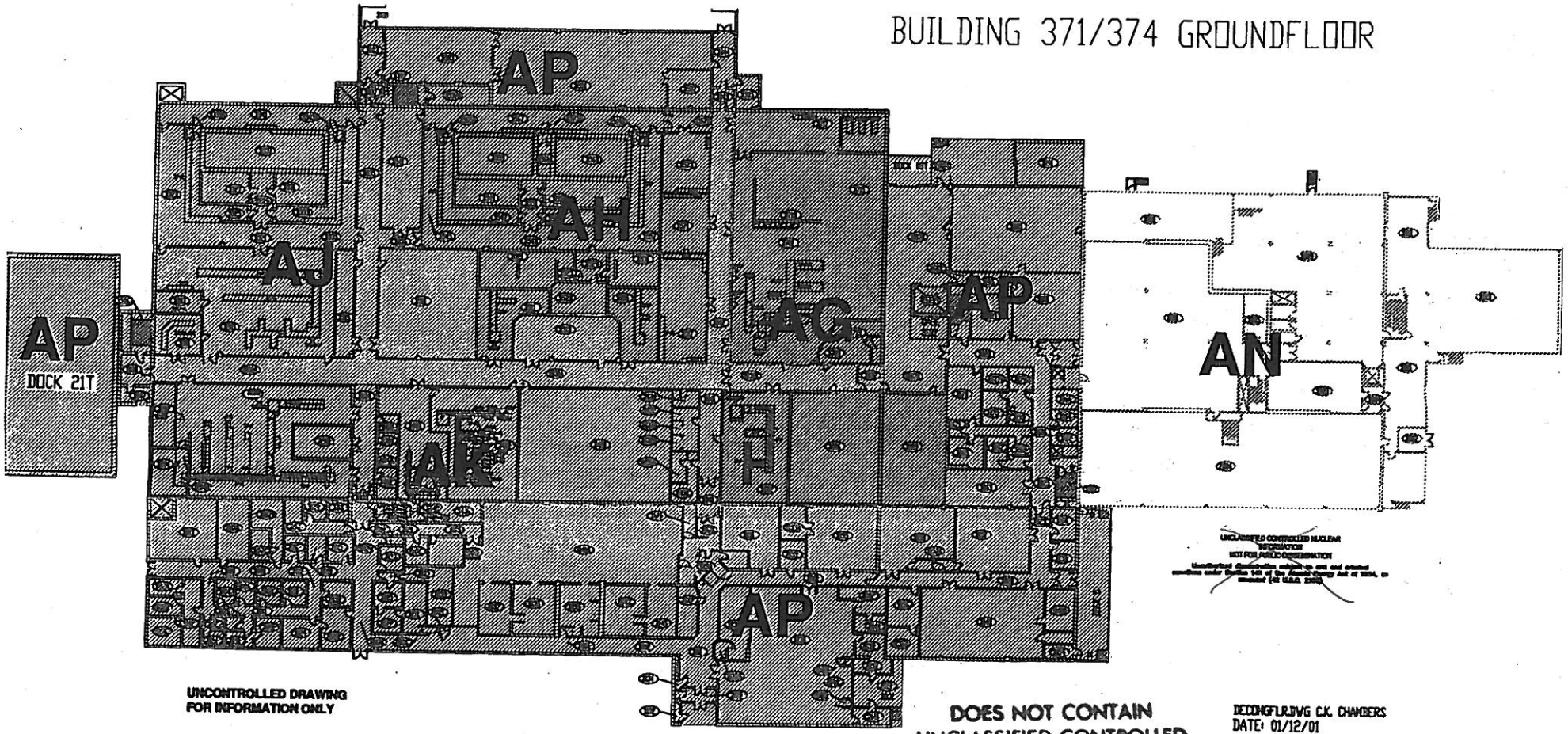
Date: 05-20-08

BUILDING 371/374
DECOMMISSIONING AREAS



EMCBC Classn Office
Reviewing Official: J. A. NESHEIM
Name
Date: 05-20-08

BUILDING 371/374
DECOMMISSIONING AREAS

BUILDING 371 ATTIC

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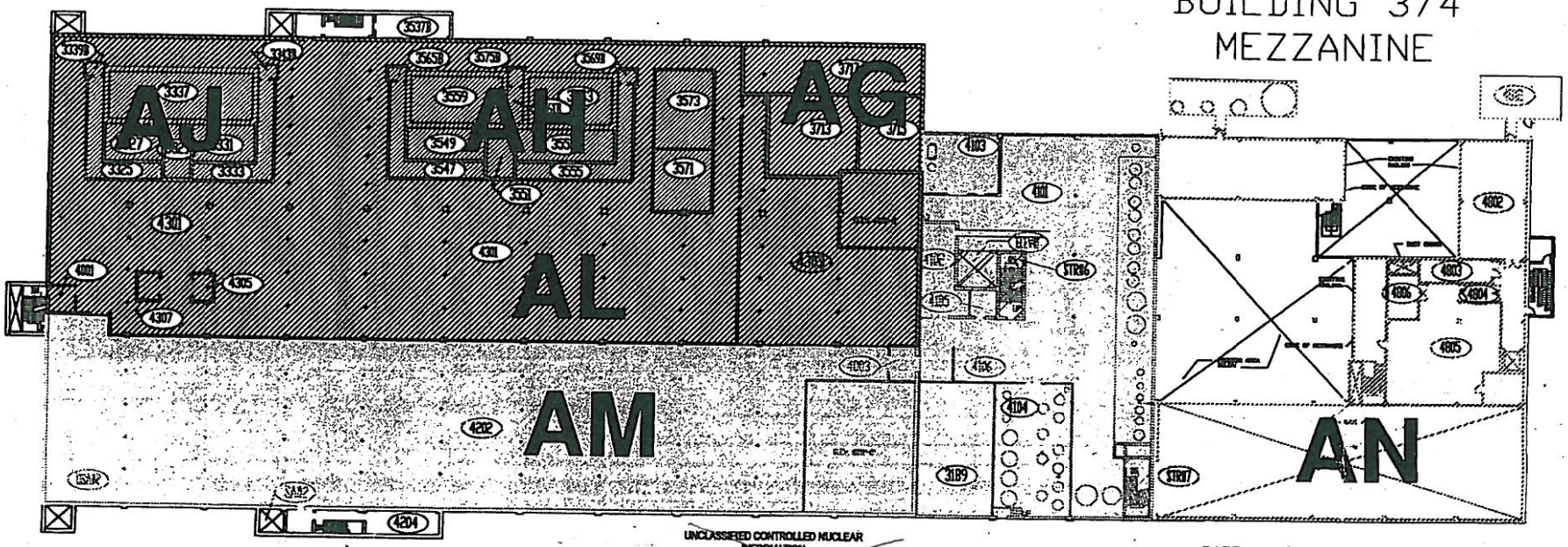

DATE: 11/06/00
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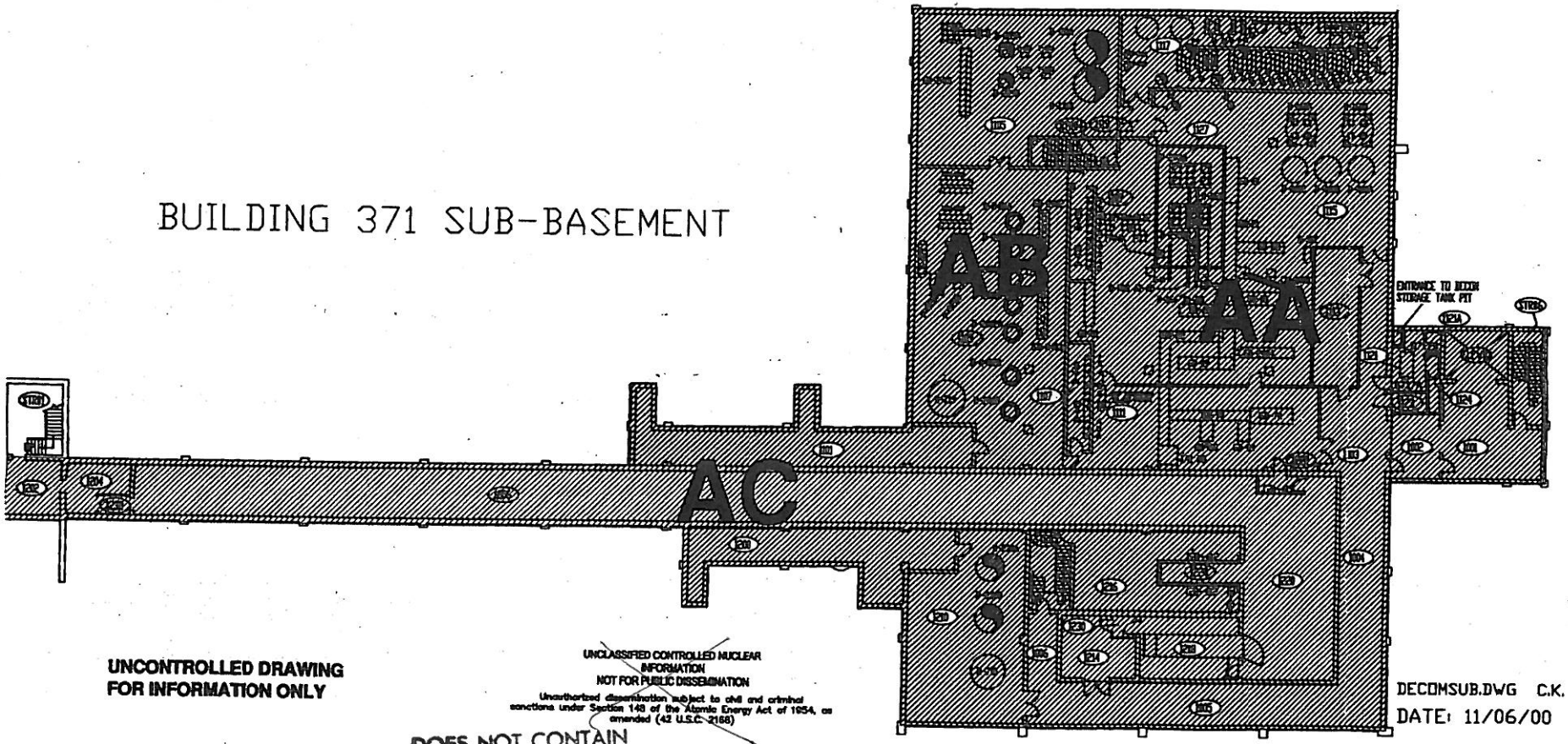
BUILDING 371/374
DECOMMISSIONING AREAS



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Reviewing Official: J. A. NESHEIM
Name
Date: 05-20-08

236/236

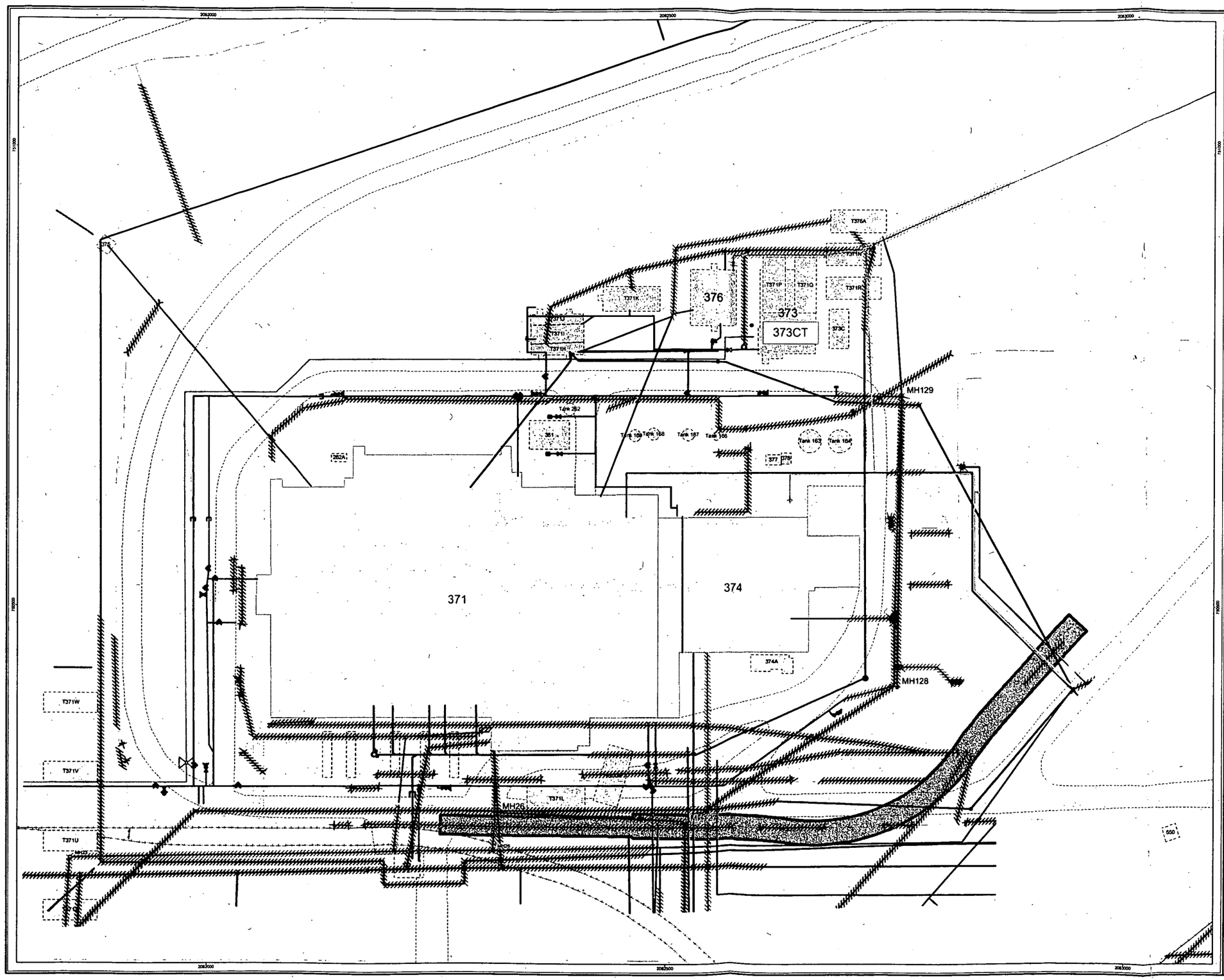

Figure 2
Building 371
Underground Utilities

EXPLANATION

- Alarm
- 2nd Alarm
- Classified Data
- Classified LAN
- Original Alarm
- Telephone
- Alarm (PIDAS)
- Nitrogen Lines
- Natural Gas
- Fuel Line
- Sewer Blocks
- Sewer
- Sewer Abandoned
- Underground Steam
- DCWF
- Raw Water
- Power
- Culverts & Drains
- Original Process Waste Lines
- New Process Waste Lines
- Manholes *

NOTE: Hatched line symbols represent removed features.
* Color indicates utility type.

Standard Map Features

- Remaining Structure
- Removed Structure
- Demolished Roads
- Paved Roads
- Dirt Roads
- Railroad Removed
- Railroad Remaining
- Stream or Ditch
- Lakes and Ponds
- Riprap Areas

N

40 0 40 80 120 160 Feet

State Plane Coordinate Projection
Colorado Central Zone (3476)
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared By:
CH2MHILL
GIS DEPT. (303) 966-7707

Prepared For:
KAISER•HILL COMPANY

DATE: 10/25/2005

PATH: \\jsrvGIS\Projects\fy2005\05-0275\Figure2_371.mxd